

19970731.qrp v00_n804.qrs.970731

>From ???@??? Fri Aug 01 05:09:29 1997
Date: Thu, 31 Jul 1997 19:03:07 EDT
Subject: QRP-L digest 804
Message-Id: <97Jul31.190348edt.34850-33830+164@fidoii.cc.Lehigh.EDU>

QRP-L Digest 804

Topics covered in this issue include:

- 1) [24024] Re: BB reflections
by w2gum1@juno.com
- 2) [24025] dB reference Levels
by n4so@juno.com (charles k brown)
- 3) [24026] Re: What 40m Kit to Build?
by Larry Trullinger <kb0emb@swbell.net>
- 4) [24027] Re: watts, dB, S-units
by Bill Carver <bcarver@magiclink.com>
- 5) [24028] Re: SD-20 Poles
by "M. Monninger" <markem@primenet.com>
- 6) [24029] computer O' scope
by Richard Wilkerson <richqrp@cts.com>
- 7) [24030] Re: W4ED, BB, backpack 'n
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 8) [24031] Re: HF Tuner for Sierra
by George Gingell <k3tks@u1.abs.net>
- 9) [24032] Heath P/S blues in EU41A
by MNHopkins@aol.com
- 10) [24033] AUSTIN SUMMERFEST '97 Ham convention
by "rohre" <rohre@arlut.utexas.edu>
- 11) [24034] Summer Daze SSB Contest
by camqrp@cyberg8t.com (Cam Hartford)
- 12) [24035] Re: HF Tuner for Sierra
by George Gingell <k3tks@u1.abs.net>
- 13) [24036] Re: computer O' scope
by Bob Okas <vintage@best.com>
- 14) [24037] SWL
by ka8ddz <hynde@flash.net>
- 15) [24038] Dan's Active Filter (fwd)
by "Leonard J. Barish" <barish@kutztown.edu>
- 16) [24039] QRP ARCI SSB Sprint
by Joel Malman <malman@BBN.COM>
- 17) [24040] great circle map program
by "Phil, K6LS" <k6ls@qsl.net>
- 18) [24041] qrp ssb cw transceiver
by Mike Miller <wb4gtm@scott.net>
- 19) [24042] Crystal testing???

by Paul Erickson <paul1@wizard.ucs.sfu.ca>
20) [24043] 38s & buzznot?
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
21) [24044] Mir Visible Passes Now!
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
22) [24045] BUMBLE BEE THERAPY LETTER: LONG, but necessary.
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
23) [24046] trees&antennas
by JFKluender@aol.com
24) [24047] trees & antennas
by JFKluender@aol.com
25) [24048] ARS Report: KI6SN/BB (long)
by "Richard E. Fisher" <ki6sn@pe.net>
26) [24049] Re: [TenTec] Computereceivers
by Raventhorne <jelder@ix.netcom.com>
27) [24050] Re: trees & antennas
by Ed Tanton <n4xy@BellSouth.net>
28) [24051] Re: Crystal testing???
by Ed Tanton <n4xy@bellsouth.net>
29) [24052] In praise of the SST-20
by Alan Kaul <kaul@netcom.com>
30) [24053] Crystal Deal from C-W Crystals
by Sandy W5TVW <ebjr@worldnet.att.net>
31) [24054] Re: In praise of the SST-20
by Alan Kaul <kaul@netcom.com>
32) [24055] AOL Problems
by ROYGREGSON@aol.com
33) [24056] PWR METER FOR EMTECH
by ARDUJENSKI@aol.com
34) [24057] 30 Meters Open to Europe
by "Michael Babineau" <babineau@nortel.ca>
35) [24058] Attention Minnesota QRPers
by "Claton Cadmus" <aplitech@spacestar.net>
36) [24059] Re: trees & LOOPS
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
37) [24060] Re: trees & Loops
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
38) [24061] project case questions (mainly)
by Conway Yee <cyee@bidmc.harvard.edu>
39) [24062] 1/4 vert.+director
by Wa2eaw@aol.com
40) [24063] Re: S units vs DB
by "Claton Cadmus" <aplitech@spacestar.net>
41) [24064] Re: 1/4 vert.+director
by w2gum1@juno.com
42) [24065] Re: project case questions (mainly)
by ARDUJENSKI@aol.com
43) [24066] SSB HB Sprint

by bcutter@teal.csn.net (Bob Cutter)

44) [24067] W6JJZ Z-match
by "Dave Maliniak" <dmaliniak@penton.com>

45) [24068] Re: SSB HB Sprint
by "Dave Maliniak" <dmaliniak@penton.com>

46) [24069] db's and truth
by Bob Finch <bfinch@vet.purdue.edu>

47) [24070] Noisebuster headphones
by cooper@gmpvt.com (Tom Cooper)

48) [24071] Kenwood TH-2AT / TH-21AT EMBARRASSMENT
by Bob Reynolds <breynold@sigg.com>

49) [24072] QRP ARCI SSB Sprint -Reply
by Bob Reynolds <breynold@sigg.com>

50) [24073] Re: Noisebuster headphones
by cooper@gmpvt.com (Tom Cooper)

51) [24074] Re:Finally saw CONTACT
by Brian Cieslak <brianc@ams-i.com>

52) [24075] Second Reminder for the AUGUST SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>

53) [24076] An Embarassing Bumblebee Story
by Russ Carpenter <russ@natworld.com>

54) [24077] plastic ammo cases
by Conway Yee <cyee@bidmc.harvard.edu>

55) [24078] Profile of Bumblebee #1 in Feb 1997 QST
by "Michael Babineau" <babineau@nortel.ca>

56) [24079] K3ETS <SK>
by adams@chuck.dallas.sgi.com (Chuck Adams)

57) [24080] Which TX for HOWES?
by "Juan A. Bertolin" <jbertolino@nexo.es>

58) [24081] Makita Battery Fixture, Quick Construction and Test
by Ed Loranger <we6w@qsl.net>

59) [24082] Re: Summer Daze SSB Contest/N2TO from Brooklyn, NYC
by "KFGlynn" <KFGlynn@prodigy.net>

60) [24083] GROUNDS, RADIALS 101
by ARDUJENSKI@aol.com

61) [24084] Re: GROUNDS, RADIALS 101
by Ed Loranger <we6w@qsl.net>

62) [24085] Rare Antennas
by Ed Loranger <we6w@qsl.net>

63) [24086] Re: Rare Antennas
by Ed Loranger <we6w@qsl.net>

64) [24087] Great Audio App Notes
by Ed Tanton <n4xy@bellsouth.net>

65) [24088] Re: Parts for Sierra band module
by "Bob Kellogg" <ae4ic@nr.infi.net>

66) [24089] Re: W6JJZ Z-match
by "Bob Kellogg" <ae4ic@nr.infi.net>

67) [24090] Re: Noisebuster headphones

- by Jeff Grudin <grudin@pacific.vdbs.com>
- 68) [24091] Directions to dinner with Chuck K5FO
by Dana Myers K6JQ <myers@bigboy.West.Sun.COM>
- 69) [24092] MD Milliwatts - QRP Show and Tell Page
by Chris Cartwright <ccart@dns.vidtel.com>
- 70) [24093] Fort Tuthill - Thanks
by Roger Hightower <n7kt@dancris.com>
- 71) [24094] QST Search
by tahrens1@juno.com (Timothy H Ahrens)
- 72) [24095] Rare Antennas
by owens@stout.atd.ucar.edu (Chip Owens)
- 73) [24096] WTB: Schurr Portable Wabblers
by Kory Hamzeh <kory@avatar.com>
- 74) [24097] Re: Rare Antennas
by Paul Cecil <cecilp@mail3.bunt.com>
- 75) [24098] Re: QST Search
by ekscott@ibm.net
- 76) [24099] Stolen QRP Gear - Please Help
by Joe Gervais <vole@primenet.com>
- 77) [24100] NEED TO GROUND?
by ARDUJENSKI@aol.com
- 78) [24101] 17 Meter 38S
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 79) [24102] Re: Rare Antennas
by Ed Loranger <we6w@qsl.net>
- 80) [24103] Re: W6JJZ Z-match
by George Gingell <k3tku@u1.abs.net>

Date: Wed, 30 Jul 1997 19:15:37 EDT
From: w2gum1@juno.com
To: n2tnn@ifu.net
Cc: qrp-1@lehigh.edu
Subject: [24024] Re: BB reflections
Message-ID: <19970730.183152.8191.1.w2gum1@juno.com>

HI Dean , Too bad you couldn't make the NJ QRP Club picnic. Altho the turn-out wasn't as large as expected, we had a nice time.

The fellow you mentioned in your previous post regarding the BB, who got his inspiration from Treasure Island there in South Jersey , was Robert Louis Stevenson. (hope I spelled it right).

Take care and see you later, Tony W2GUM. Good CW is music to my ears.

Date: Wed, 30 Jul 1997 19:25:00 EDT
From: n4so@juno.com (charles k brown)
To: qrp-1@lehigh.edu
Subject: [24025] dB reference Levels
Message-ID: <19970730.062400.7527.7.n4so@juno.com>

Look at the Databook for Homebrewers and QRPers by
NA5N.
in the Appendix: Power Ratios (no page number)
The top chart has a dBm Volts and Power Conversion Chart, the bottom has
dB Reference Levels--
dBw, dBm, dBs, dBi , dBc, and dBv and what precisely
these mean. The third letter means what it is referenced
to-- a watt, a volt, or milliwatt...

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Wed, 30 Jul 97 18:43:54 -0500
From: Larry Trullinger <kb0emb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [24026] Re: What 40m Kit to Build?
Message-ID: <199707302336.SAA23108@SWBELL.net>

-- [From: Larry Trullinger * EMC.Ver #2.5.02] --

Bob,

I built a Ten Tec 1340 in May of this year, great radio ! For me the
assembly was pretty easy, five toroids to wind. Aligned it at home with
great results, just be sure and follow the manual there. Taking it into work
the Rx was just under 1/2 uV sensitivity, with only homebrew signal
generator alignment. Power varies depending on voltage, a 7 ampHr gel cell
gives 3.75 Watts and 13.75 VDC power supply is just over 4.5 Watts. My VFO
range is 81 KHz (7.041 - 7.122) but will shift the low end down a few KHz in
the near future, now that I can Xmit there.

Field day I had the pleasure to work with an experienced QRP Ham, he has an
OHR 100. It also is a great radio, with the adjustable Rx selectivity - NICE
. Looked over the radio and schematic, the AGC is better on the OHR, I.F.
chip (1350) is well suited for great AGC. Power is a little more on the OHR,

also current drain.

Right now I am waiting for information on the Sierra, quite possibly my next kit to build. The idea of just switching modules for a different band.... Whatever your choice, these are some pretty nice radios. Let the list know what you decide on and how it went together.

72/73 KB0EMB Larry

Date: Wed, 30 Jul 1997 19:57:21 -0400
From: Bill Carver <bcarver@magiclink.com>
To: qrp-l@Lehigh.EDU, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, Dana Myers <myers@bigboy.West.Sun.COM>
Subject: [24027] Re: watts, dB, S-units
Message-ID: <199707302357.TAA50949@nss2.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If the power has quadrupled, the power-oriented formula says $\text{dB} = 10 \log(P2/P1) = 10 \log(4) = 10 \times .602 = 6 \text{ dB}$.

If the voltage has doubled, the voltage-oriented formula says $\text{dB} = 20 \log(V2/V1) = 20 \times \log(2) = 20 \times 0.301 = 6 \text{ dB}$.

It's not a big surprise: power = voltage squared divided by R. So when the voltage doubles, the power quadruples.

Power (watts) or voltage, these are just two ways of looking at the same thing if the impedance is held constant. Log makes the decibel formula intimidating and not intuitive: if confusion starts to win, go back to the basic formulas for power...basics always work. 3 dB is always 3 dB, whether you are talking voltage or talking power.

Regards - Bill - W7AAZ

Date: Wed, 30 Jul 1997 16:58:03
From: "M. Monninger" <markem@primenet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.Edu>
Subject: [24028] Re: SD-20 Poles
Message-ID: <3.0.1.32.19970730165803.00980de0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have one of the SD-20's from Bob's first batch that I picked up from him at Ft. Tuthill. On second thought I doubt I'll ever get around to building an SLV, so if anyone wants one and doesn't want to wait for the next batch I'll sell you mine for the same deal...\$25 shipped.

73... Mark AA7TA markem@primenet.com

Date: Wed, 30 Jul 1997 17:30:54 -0700
From: Richard Wilkerson <richqrp@cts.com>
To: qrp-1@lehigh.edu
Subject: [24029] computer O' scope
Message-ID: <33DFDCBE.2926@cts.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was listening on 40 mtrs. and heard someone talking of a program that you hooked up to your PC and with a probe that came with the program, you had new test tool. Figured someone on this list would know!!
Thanks.....rich

--
72's / 73's..... Rich
Rich Wilkerson, WD6FDD, Santee, Ca.
NorCal, ARCI, ScQRPions, E.C.R.A.
Boatanchors, ARCEC. AMI.

Date: Wed, 30 Jul 1997 20:34:30 -0400
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: wd4et@juno.com
Cc: qrp-1@lehigh.edu
Subject: [24030] Re: W4ED, BB, backpack 'n
Message-ID: <33DFDD96.57B2@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

wd4et@juno.com wrote:

> I enjoyed your bumblebee report very much. Amicalola Falls is one
> of my favorite places.

TKS & It's one of mine too.

> Have they made any progress on the "pack-in lodge."

Not that I am aware of. You already knew about the fancy Lodge
that overlooks the falls.

> Too bad they had to drain the lake. It was really a paradise back
> then.

Yes, I remember it. If the WX was bad I may have set up on
the edge of the lake bed, nearer my car.

If the pix is any good, I'll put it on my WWW page, where I'm
standing on the bridge overlooking the falls, complete with
the loaded ARS/BB daypack, walking stick, and Panama Jack hat.

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

```
      /\
     /\ |
    /\ | \
   /\ |  \ E | \
  /\ |___|___\
 [_\-----/_
```

Date: Wed, 30 Jul 1997 20:30:25 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: "Richard H. Arland" <k7sz@juno.com>
Cc: QRP List <QRP-L@lehigh.edu>, "N.J. QRP Club List Server" <njqrp@njqrp.org>,
Dave Johnson KnightLite QRP Club <klqrp@acpub.duke.edu>,
Paul Stroud KnightLite Net NCS <klnet@acpub.duke.edu>
Subject: [24031] Re: HF Tuner for Sierra
Message-ID: <Pine.BSI.3.93.970730200355.11450A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Rich,

What you are looking for is the LDG Electronics Automatic Antenna Tuner.
It has been advertised in QST for \$ 100.00 They make a QRO and QRP

Version. Scott Rosenfeld, NF3I <ham@w3eax.umd.edu> was selling the kits at a reduced price. I don't know if he has any left, but worth a check. I think I paid about \$ 85 for the QRP version less case. Jerry Henshaw is the one who has installed one in the Wilderness Sierra cover. You can see a picture on page 40 of the Summer 1997 issue of QRPp. I can't remember his call for sure, might be KR5L, He is an OK & O.K. boy :) He had the room next to us at Dayton and was using it with a #26 Long wire over to the other building (Stealth Mode). Really a beautiful job. I suggest that you drop him a note for details. Don't know if he is on the list or not.

You mentioned The Rainbow Tuner. That is a product of the NJ QRP Club, specifically N2CX, Joe Everhart <n2cx@voicenet.com> or the NJ-QRP List. It is intended to match to a half-wave antenna.

One more good choice for the Lid of the Sierra would be the ZM-1 ATU Kit by Roy Gregson, W6EMT of EMTech <roygregson@aol.com>. This would probably be my choice for the Sierra Lid. No power required, and could be easily matched up with a Kanga QRP Power meter for tuning. (Basically a Bridge ckt) See Bill Kelsey, N8ET <Kanga@Bright.net> for more details. The new version is very small and can be used with one meter and a switch. Probably not needed, just tune for max smoke! :^)

I am told that more info is on the web pages, now if I can just get one of those "Windows Boxes running"...

GL es TKS for the BB QSO. BTW I was running the NC-40A (QRO-2 watts) to a Magmounted Hamstick for 40m Mobile from the Timonium, MD Hamfest. :) Ain't this stuff just great?

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

"Back Issues of The QRP Quarterly Journal for Sale"
email K3TKS@abs.net for details, availability and pricing.

Date: Wed, 30 Jul 1997 21:07:01 -0400 (EDT)
From: MNHopkins@aol.com
To: Boatanchors@theporch.com
Cc: qrp-l@lehigh.edu
Subject: [24032] Heath P/S blues in EU41A

Message-ID: <970730210654_2026673739@emout14.mail.aol.com>

The trouble is that it is not the little 0-15 volt power supply seen (just the corner) on Hayward's bench on page 224 of Solid State Design for the Radio Amateur, 2d printing, 1986. Those are easy. I even have a book for one.

This one, however, is an elaborated version named Mod. EU41A, which I take to mean "educational unit," because it has been such to me. I cannot fix it using the theory and diagram of the smaller unit. The EU41 has more active devices, a bigger off-white case, and, in one place, a diode where the printed circuit board indicated a transistor. But it did work, and it still has 28VDC available. Just no regulation or output.

So does anyone have the book for an EU41A, a diagram, or some special insight? I have many manuals and goo gols to barter.

Michael Hopkins, AB5L

MNHopkins@AOL.com

Date: 30 Jul 1997 20:08:14 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@Lehigh.Edu
Subject: [24033] AUSTIN SUMMERFEST '97 Ham convention
Message-ID: <n1341829158.84454@msmailgw1.arlut.utexas.edu>

Hi all,
With all due respect to Doug, the NEXT QRP FORUM is this WEEKEND!
Aug. 1, 2, 3.
Austin Omni South Hotel, I- H 35 and Ben White Blvd.(Hwy. 71. (Formerly the Wyndam Southpark, where it has been for several years.)

Flea market inside opens this Fri. evening for two hours, then all Sat. and free spaces on Sun. to noon!

QRP Fri. supper gathering meets by the registration tables to go to eat at 8PM.
We will gather at Catfish Parlor on Ben White.

QRP Fourm is 3:30 PM to 5 PM SAT. afternoon in the Amphitheater, right off the lobby.

This is the ARRL South Texas Section Convention, and the summer meeting of the

Texas VHF-FM Society

Sat. evening is the special Fajita and music event at DANCE ACROSS TEXAS.

QRP FORUM TOPICS

We have Ed Manual, N5EM: "Briefcase Satellite station for 10M and 15M."

Chuck Adams, K5F0: "Foxhunting, Secrets and Tails/Tales Not Heard Elsewhere!
(HF Fox hunting,QRP)

Tony Lyon, "ARK20 and 40, A&A, etc., Transceivers-commercial kits"

Gary Sehne, "40-Niners, NN1G Picnic Basket rig - Individual Identity Radios"

Glen Reid has been asked to speak on "Central TX QRP Club-ham reinvention"

Also, "How to REALLY get Started on your Transceiver Kit" by Stuart Rohre,
K5KVH

Ed from Houston and Chuck from Dallas will be our guest speakers of note,
Chuck founded the QRP-L Internet group, and of course Ed's feats range from
Dayton speaker to those too numerous to mention! :-) Rest of us are home
folks from the Austin area.

Hope many can make it down for this. Aquafest in Austin is in full swing for
family fun, too!

72,

Stuart K5KVH

Date: Wed, 30 Jul 1997 18:16:59 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-l@lehigh.edu
Subject: [24034] Summer Daze SSB Contest
Message-ID: <199707310116.SAA02718@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Contest folk -

This Sunday, August 3rd, the Sidebanders have a chance to take to the airwaves and show how it's done. Those of you who claim that the CW boys have all the fun, here's your chance. I'll be in there with my trusty Argo 515 - hope to make your vocal acquaintance.

72/73,

Cam N6GA

1997 SUMMER DAZE SSB SPRINT

Date/Time:

August 3, 1997; 12 Noon to 8:00 PM, Local Time. Operate a maximum of 4 hours of the 8 hour period. Mark on and off times in log.

Exchange: Member - RST, State/Province/Country, ARCI Number

Non-Member - RST, State/Province/Country, Power Out

QSO Points: Member = 5 Points; Non-Member, Different Continent = 4 Points;

Non-Member, Same Continent = 2 Points

Multiplier: SPC (State/Province/Country) total for all bands.

S/P/Cs may be worked on more than one band for credit.

Bonus Points: Points awarded for using Homebrew equipment, apply for each

band on which Homebrew equipment was used: +2,000 HB Transmitter used;

+3,000 HB Receiver used; +5,000 HB Transceiver used

Homebrew Definition: If you built it, it is considered Homebrew.

Power Multiplier: (Power Output)

0 - 250 MW (0- 500 MW PEP SSB) = X 15;

250 MW - 1 Watt (500 MW - 2 W PEP SSB) = X 10;

1 W - 5 W (2 - 10 Watts PEP SSB) = X 7;

Over 5 W (Over 10 Watts PEP SSB) = X 1.

Suggested Frequencies:

160 Meters	1830 KHz	15 Meters	21385 KHz
80 Meters			
3865 KHz	10 Meters	28385 KHz	
40 Meters	7285 KHz	6 Meters	50128
KHz			
20 Meter	14285 KHz		

Score:

Points (total for all bands) X SPCs (total for all bands) X Power

Multiplier + Bonus Points.

Entry may be an All-Band, Single Band, Hi-Band or Lo-Band. Certificates to the top three scores, to the top score in each Single-band, Lo-band and Hi-band class, and to the top score in each SPC. Entry includes a copy of the logs and a separate summary

sheet. Indicate total time-on-the-air, and include a legible name, call, QRP ARCI Number (if any) and address.

All entries must be received within 30 days of the contest date. Late entries will be counted as check logs. Members and non-members indicate their output power for each band. The highest power used will determine the power multiplier. Output power is considered as 1/2 of input power.

Include a description of homebrew equipment, commercial equipment, and antennas used with each entry. Homebrew bonus points may not be claimed if a description is not included with the entry.

Send an SASE for a summary and sample log sheets. Include an SASE with your entry for a copy of the results. Results will be published in the next available issue of the QRP ARCI Quarterly.

The final decision on all matters concerning the contests rests with the contest manager.

Entries are welcome via E-Mail to CamQRP@cyberg8t.com, or by mail to:

Cam Hartford, N6GA
1959 Bridgeport Ave.
Claremont, CA 91711

Date: Wed, 30 Jul 1997 21:18:16 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: "Richard H. Arland" <k7sz@juno.com>
Cc: QRP List <QRP-L@Lehigh.Edu>, "N.J. QRP Club List Server" <njqrp@njqrp.org>, Dave Johnson KnightLite QRP Club <klqrp@acpub.duke.edu>, Paul Stroud KnightLite Net NCS <klnet@acpub.duke.edu>
Subject: [24035] Re: HF Tuner for Sierra
Message-ID: <Pine.BSI.3.93.970730210431.14170A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I forgot to tell you the address info for LDG Electronics
LDG Electronics, 1445 Parran Road, St. Leonard, MD 20685
<ldg@radix.net> <<http://www.radix.net/~ldg>>
Orders (410)586-2177 Yes, they take plastic.

Rich,
I don't know if Bob Dyer has email yet, but you can check with Wayne Burdick, N6KR at <svecbrdk@well.com> and find out for sure.

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

Date: Wed, 30 Jul 1997 18:23:24 -0700 (PDT)
From: Bob Okas <vintage@best.com>
To: Richard Wilkerson <richqrp@cts.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24036] Re: computer O' scope
Message-ID: <Pine.SGI.3.95.970730181714.16435A-1000000@shellx.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Rich,

It sounds like the Shadio-Rack probe-scope. It's reviewed in QST and not bad for the money. It's good up to about 5 MHz or so and has a tiny LCD screen in the probe body. The body is about the size of a logic probe (remember those, aging computer hackers?), and is supplied with an external power source. A cable attaches between the probe and PC. Software is provided. It sounds like a neat item.

73,
Bob - W3CD

On Wed, 30 Jul 1997, Richard Wilkerson wrote:

> I was listening on 40 mtrs. and heard someone talking of a program that
> you hooked up to your PC and with a probe that came with the program,
> you had new test tool. Figured someone on this list would know!!
> Thanks.....rich
> --

Date: Wed, 30 Jul 1997 21:31:58 -0700
From: ka8ddz <hynde@flash.net>
To: qrp-1@Lehigh.EDU
Subject: [24037] SWL
Message-ID: <33E0153E.505B@flash.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Well, one card is from a "SWL
> Station OM3-28612". I checked the log and he has the correct information
> concerning the QSO I had with the GB station. How do I respond to this
> card? Do I send a QSL made out to him or what do I put in the comments
> section?

By all means send him a card!! Reminds me of some of the Russian SWL cards I used to receive, I'm glad I sent them one. I learned years later that at that time (1978) the Russians applying for a license needed 10 QSL cards as an SWL!! (Someone may confirm or contradict this) Just put confirming your reception of W1xxx qso with G3xxx date time etc.

73, Tim, ka8ddz

Date: Wed, 30 Jul 1997 21:57:58 -0400 (EDT)
From: "Leonard J. Barish" <barish@kutztown.edu>
To: qrp-l@Lehigh.Edu
Subject: [24038] Dan's Active Filter (fwd)
Message-ID: <Pine.SOL.3.91.970730215515.225B-1000000@atlantic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

First of all, I want to thank the members of the list for the great education that I have received from reading this list. I've been a list lurker for almost two years now.

I recently purchased an active filter from Dan's small parts. He sells it as a mod for the NW20/80 but I guess it also works with the NN1G. I was aware that he had some problem with a run of inversely printed pcb's and I wasn't too surprised when I received a bag of parts, instructions, and a perf board. Dan's directions said that "you will have to use point to point wiring. The circuit is simple, so take your time and there should be no problems. I have taken my time, but am confused by the wiring of U1. The schematic shows pin 7 of U1 connected to two different parts of the circuit (an input and an output I presume). Unfortunately, pin 5 is connected to nothing. Since pin 5 doesn't appear in the schematic, I wonder if this is a mis-print. It took me forever to wire this puppy (I'm spoiled by pcb's) and I don't want to blow it all that nice labor.

I'm sure someone out there has one of these. If you could check out your filter (a working one I presume) and let me know about pin 5, I would really appreciate it.

Thanks for the bandwidth

Len

```
*****
Len Barish N2BSC                      ITVA
Department of Telecommunications      ARRL
Kutztown University                  DLARC
Kutztown, PA 19530                  NORCAL
Phone (610) 683-4490                Norcal 40A
FAX (610) 683-4659                  NW 8020
*****
```

If the whole world is a stage, I want better lighting.

```
*****
```

Date: Wed, 30 Jul 97 22:12:27 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-l@lehigh.edu
Cc: camqrp@cyberg8t.com
Subject: [24039] QRP ARCI SSB Sprint
Message-ID: <199707310213.WAA36399@nss2.CC.Lehigh.EDU>

Hey QRP SSB folks...

Anyone going to be working the QRP ARCI Summer Daze SSB Sprint this weekend?

I'll be polking around 75 and 40m SSB for local New England stations. I might even try 20, as maybe everyone else will be on the CW bands, probably working the North American QSP Party contest.

QRP SSB can be done. I worked 46 QRP SSB stations last Field Day on 75 and 40m with 5 watts PEP and a dipole. Anyone out there with one of the new NN1G SSB rigs, etc., want to try a pre-contest sked?

I believe the 'test' runs 1200-2000 LOCAL time, 3 Aug... Cam, please, can you get us motivated?

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)

WIMPS: Qs=234 30m=216 17m=17 12m=01 States=27/04/00 DX=056/12/01

Date: Wed, 30 Jul 1997 20:58:20 -0600
From: "Phil, K6LS" <k6ls@qsl.net>
To: qrp-l@Lehigh.Edu
Subject: [24040] great circle map program
Message-ID: <33DFF13C.15DC@qsl.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----50D331745A73"

This is a multi-part message in MIME format.

-----50D331745A73
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

here is a posting from the vhf+ list, I found it to be an awesome
program ... hope you check it out...

--
73 de Phil, K6LS/0
QRP-L #612
k6ls@qsl.net <or> k6ls@amsat.org
DM79or, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
<http://www.qsl.net/k6ls>

-----50D331745A73
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Return-Path: <vhf-owner@w6yx.stanford.edu>
Received: from ns1.qsl.net ([207.221.20.81]) by email1.mho.net
(Post.Office MTA v3.1 release P0205e ID# 0-38105U2500L250S0)
with ESMTP id AAA58 for <ppolizzo@mho.net>;
Sun, 20 Jul 1997 21:59:49 -0600
Received: from w6yx.stanford.edu (w6yx.Stanford.EDU [36.55.0.50]) by ns1.qsl.net
(8.7.6/8.7.3) with ESMTP id WAA25489; Sun, 20 Jul 1997 22:56:31 -0400
Received: (from daemon@localhost) by w6yx.stanford.edu (8.8.5/8.6.10) id UAA20916
for vhf-out; Sun, 20 Jul 1997 20:08:41 -0700
Received: from land.willinet.net (land.willinet.net [198.49.30.33]) by
w6yx.stanford.edu (8.8.5/8.6.10) with SMTP id UAA20911 for
<vhf@w6yx.stanford.edu>; Sun, 20 Jul 1997 20:08:35 -0700
Received: from ps24ykn.willinet.net (ps21ykn.willinet.net [198.49.30.214]) by
land.willinet.net (8.6.11/8.6.11) with SMTP id WAA10816 for
<vhf@w6yx.stanford.edu>; Sun, 20 Jul 1997 22:08:32 -0500

Received: by ps24ykn.willinet.net with Microsoft Mail
id <01BC9559.8AAF3F20@ps24ykn.willinet.net>; Sun, 20 Jul 1997 22:09:07 -0500
Message-ID: <01BC9559.8AAF3F20@ps24ykn.willinet.net>
From: Barry Arneson <barneson@willinet.net>
To: "'vhf reflector'" <vhf@w6yx.stanford.edu>
Subject: Build a great circle grid map centered on your location
Date: Sun, 20 Jul 1997 22:09:04 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Sender: owner-vhf@w6yx.stanford.edu
Precedence: bulk

A while back some on posted a sight for the famous ARRL grid map.

While doing some searching I found a program by SM3GSJ. It allows you to build a Great Circle Beam Heading grid map from your coordinates. The program is roughly 1.2 Megabytes if you already have VBRUN300.dll in your system directory. If you don't you can down load that from his sight too. VERY COOL. It allows you to save the map as a .BMP. I use a separate .BMP now for each band and fill in each grid that I work. It has far more detail than the ARRL map for those running windows 3.1 or Win95. Real handy for pointing the antenna too.

here is the URL <http://hem.passagen.se/sm3gsj/gcm.htm>

Barry, K8SD

Submissions: vhf@w6yx.stanford.edu
Subscription/removal requests: vhf-request@w6yx.stanford.edu
Human list administrator: vhf-approval@w6yx.stanford.edu

-----50D331745A73--

Date: Wed, 30 Jul 1997 19:58:35 -0500
From: Mike Miller <wb4gtm@scott.net>
To: qrp-l@lehigh.edu
Subject: [24041] qrp ssb cw transceiver
Message-ID: <33DFE33B.7F4E@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

would like any input on qrp rigs. interested in ssb 20 meter high performance rigs. monoband or multiband. up to 500.00 in price. light weight low current draw a must for backpacking. possible candidates are mfj,scout,cascade(can not locate) any suggestions ?

Date: Wed, 30 Jul 97 20:57:37 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-1@Lehigh.EDU (qrp)
Subject: [24042] Crystal testing???
Message-ID: <9707310357.AA26724@wizard.ucs.sfu.ca>

Hi Everyone,

I just finished building Doug DeMaw's "A tester for Crystal F, Q, and R". (QST Jan. '90). It seems to work fine, but I found that 2 out of the 10 crystals that I ordered from Mouser do not seem to want to oscillate. Is this a reasonable "failure rate"? I have just used it to match F, and found 3 close enough to use in my 38s, but how can I check to make sure that the oscillator is not operating too close to the edge? I don't have a problem throwing out questionable crystals, but want to make sure, that they should be turfed. By the way, I am using an S&S counter.

Any and all suggestions will be appreciated.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

Date: Wed, 30 Jul 97 21:02:13 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-1@Lehigh.EDU (qrp)
Subject: [24043] 38s & buzznot?
Message-ID: <9707310402.AA26848@wizard.ucs.sfu.ca>

The local s7-8 qrn is making me wonder if anyone has tried the Buzznot in the 38s???

cheers, Paul
VE7CQK

email: paul1@wizard.ucs.sfu.ca

Date: Thu, 31 Jul 1997 04:03:05 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [24044] Mir Visible Passes Now!
Message-ID: <19970731040303.AAA21272@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From: KD1YV <jimkd1yv@ix.netcom.com>
>Subject: Mir Visible Passes Now!
>Organization: Hamily !
>Date: Thu, 31 Jul 97 02:05:11 +0000

>

>We had a nice visual on the Russian space station, Mir, tonight
>(30 Jul) at 21:50. There are some nice visual passes coming up
>over the next couple of days. What follows is a list of passes
>over Bethel, CT for the next 96 hours. Even though you may live
>a hundred miles away, the pass times and directions are still
>fairly accurate. However, as there may be minor changes in
>the orbit of Mir, allow about 5 minutes deviation in either
>direction.

>

>Lines with a '*' in the V column suggest that the pass will be
>visible. The program that calculates these, (STSPLUS a nice
>DOS graphic-map freeware program) determines when Mir will still
>be illuminated by sunlight, but the ground observers' point will
>be in relative darkness.

>

>Of course, visibility depends upon not having major cloud cover.
>Mir will appear as bright as any star that you can see. Mir is
>about as big as a tractor trailer, but it's 240 miles away from
>the earth's surface closest point. It sweeps from ascending
>horizon to descending horizon in about 10 minutes.

>

>If you have a ham radio or scanner, listen to 145.985 and 145.800
>MHz. They use both frequencies for ham contacts. Often you will
>hear packet radio bursts (modem tones), but occasionally you will
>be lucky enough to hear one of the Mir crew talking with a ham
>station on earth. Listening does not depend upon the visibility,
>only on a close pass. That's why the list includes items not
>marked with a '*' for visibility.

>

>Use the list as follows:

>AOS (acquisition of signal) Group:

>Date and time are the beginning of the pass, in Eastern Daylight Time.

>Azm (azimuth) is the compass point on your horizon that Mir will first
>rise. Note that unless you have a very flat horizon (no hills in the
>way, or a very high vantage point), you will probably not see Mir for
>a couple of minutes after that.

>

>MAX VISIBILITY Group:

>The time that Mir will be at its highest elevation relative to your
>point on earth for this pass. Altitude is how many degrees upward
>you should look, and Azimuth is the compass direction on your horizon
>that Mir should be at that high point.

>

>LOS (Loss of Signal) Group:

>The time and azimuth that Mir will disappear from your view. Note
>that it may well disappear higher and sooner than this, depending
>upon the relative position of the sun, the Earth and Mir.

>

>As an example, refer to pass number 7 on the list. On 31 Jul at
>10:28 PM, you should begin looking at the horizon at 252 degrees,
>or approximately west-southwest. The peak of this pass will be
>at 10:34 PM, looking at 332 degrees, or approximately northwest, at
>an elevation of 38 degrees, or almost halfway between the horizon
>and directly overhead. The pass will end at 10:39 PM, setting on
>the horizon at 51 degrees, or approximately northeast.

>

>STSORBIT PLUS Data Output to STSPLUS.LOG, Data = 19

>

>Location: Bethel CT

> Latitude: 41.4375 N

> Longitude: -73.3750 W

> Elevation: 137.16 meters

>Prepared: 30 JUL 1997 22:30:40 EDT

>

>Satellite Name: MIR Space Station

>Catalog Number: 16609 86017A

>Pass Type: All passes

>TLE Filename: KEPLER.2LN

>

> -----AOS----- --MAX VISIBILITY-- -----LOS-----

> #	EDT Date & Time	Azm	EDT Time	Alt	Azm	EDT Time	Azm	Duration	V
> 1	30 JUL 97 23:26:36	266.7	23:31:32	23	337.8	23:36:30	49.8	0:09:54	*
> 2	31 JUL 97 01:04:00	298.1	01:08:33	13	358.5	01:13:04	58.5	0:09:04	*
> 3	31 JUL 97 02:40:42	310.0	02:45:35	20	18.5	02:50:26	87.1	0:09:44	*
> 4	31 JUL 97 04:16:47	304.5	04:22:03	82	209.5	04:27:15	128.9	0:10:28	*
> 5	31 JUL 97 05:53:40	281.7	05:57:38	9	232.0	06:01:34	182.3	0:07:54	
> 6	31 JUL 97 20:53:10	205.8	20:58:04	25	134.8	21:02:58	64.4	0:09:48	*

> 7 31 JUL 97 22:28:58 252.5 22:34:05 38 332.4 22:39:12 51.0 0:10:14 *
 > 8 01 AUG 97 00:06:17 289.1 00:10:52 14 350.9 00:15:29 53.1 0:09:12 *
 > 9 01 AUG 97 01:43:19 308.2 01:47:59 15 11.5 01:52:39 75.0 0:09:20 *
 >10 01 AUG 97 03:19:29 308.1 03:24:42 48 30.5 03:29:53 113.3 0:10:24 *
 >11 01 AUG 97 04:55:51 292.6 05:00:36 19 227.0 05:05:21 161.2 0:09:30 *
 >12 01 AUG 97 19:56:42 186.1 20:00:59 12 130.0 20:05:18 73.7 0:08:36
 >13 01 AUG 97 21:31:31 237.2 21:36:42 75 324.5 21:41:57 53.9 0:10:26 *
 >14 01 AUG 97 23:08:30 277.8 23:13:16 18 344.4 23:18:02 50.3 0:09:32 *
 >15 02 AUG 97 00:45:47 303.9 00:50:20 13 4.5 00:54:53 65.1 0:09:06 *
 >16 02 AUG 97 02:22:13 309.9 02:27:16 28 24.8 02:32:17 98.6 0:10:04
 >17 02 AUG 97 03:58:20 300.0 04:03:27 40 222.4 04:08:34 143.2 0:10:14
 >18 02 AUG 97 05:36:14 266.2 05:38:50 3 235.9 05:41:24 206.0 0:05:10
 >19 02 AUG 97 19:00:59 161.2 19:04:01 4 125.0 19:07:03 88.8 0:06:04
 >20 02 AUG 97 20:34:18 220.9 20:39:26 49 139.1 20:44:36 58.7 0:10:18 *
 >21 02 AUG 97 22:10:45 264.7 22:15:41 25 336.7 22:20:41 49.8 0:09:56 *
 >22 02 AUG 97 23:48:09 297.0 23:52:40 13 357.4 23:57:11 57.4 0:09:02 *
 >23 03 AUG 97 01:24:53 309.9 01:29:44 19 17.9 01:34:33 85.2 0:09:40 *
 >24 03 AUG 97 03:00:58 305.1 03:06:14 89 67.8 03:11:26 126.6 0:10:28
 >25 03 AUG 97 04:37:45 283.6 04:41:53 10 230.9 04:45:57 179.0 0:08:12
 >26 03 AUG 97 19:37:26 203.1 19:42:15 22 134.5 19:47:06 65.5 0:09:40
 >27 03 AUG 97 21:13:07 250.4 21:18:15 41 331.3 21:23:23 51.3 0:10:16 *

>
 >--
 >73 de Jim, KD1YV
 ><http://www.qsl.net/kd1yv/>
 ><http://pw1.netcom.com/~jimkd1yv/family.html>
 >

"Seab" Lyon -- AA1MY
 Bethel, CT; USA FN-31-HJ
 ARCI #9253; QRP-L # 574
 NEQRP# 511; ARRL; QCWA;
 C.A.R.A.

 Date: Thu, 31 Jul 1997 04:18:30 +0000
 From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
 To: Russ Carpenter <russ@natworld.com>, qrp-l@Lehigh.EDU
 Subject: [24045] BUMBLE BEE THERAPY LETTER: LONG, but necessary.
 Message-ID: <19970731041828.AAA28450@LOCALNAME>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

At 06:46 PM 7/28/97 +0000, you wrote:
 >Sure, I'd love your story. One of the neat things about operating in the
 >wilds is that it teaches us lessons--every time. We can learn a lot from

in the grass below the bronze sculpture of the coyote family howling, maybe at the moon. Somehow I relate at a deep level. They seem so life-like as I stare upwards into the sodden haze I can almost... smell them! Then, as with many of my cardinal moments lately, the magic was transmorgafied by the revelation that my flop on the grass was among the favored spots of those who rebel against such beaurocratic assaults as pooper-scooper laws. My very last rational act was to cut, rather than pull off over my head, my treasured Duckman T-shirt. No mindless slave to propriety here, Dude.

The trip back down the hill was indeed restful, if not cool until I got to the 1/2 mile stretch of road thru East Brook Swamp where upon a swarm of sweat-crazed, green-eyed, delta-winged deer horn flies did a credible re-enactment of Pearl Harbor on me. Afraid of making a scene with an exploding Barney on my right hand I took a series of energetic slaps at my tormentors with my left hand... which, unfortunately is adorned with a 1.5 oz. wedding ring. The effects of being hit hard and fast on the side of one's sweat-drenched head with a hard metallic object?... you know, with that sound only heard when a #1 wood slices a golf ball into a hickory tree deep in foul territory? Don't you even ask.

Stupified with rage now, visions of napalm blasts in the swamp dance on my eyelids, -and of sculptured creations made of Huffy, Kenwood and Coleman Thermo-Pak... you know, those tortured assemblages featured so proudly in trendy museums. I make it to the driveway with nausea and shrinking peripheral vision. I hear Good Wife say: "you look terrible! -hot, huh? -what's that on the side of your head?"

Twenty minutes of cool shower with a quart of pinkish Gatorgag later and I'm able to process minor mental tasks. Can't do that swamp/hill again... ring won't come off... gotta cheat -or give up... hams counting on CT rep... Good Wife says "hey, I don't need the insurance THAT bad, let's just load those batteries and Huffy in the car, do your thing and you can bike back for the car later?" With reluctance only partly feigned to preserve the ghost of honor remaining, I load the stuff an we take off. I'm hoping Russ has a "Don't Ask/Don't Tell" philosophy re rules.

12:25 and back among the dog-doo I note that the wire is down. Bad but not THE END. Work up lathery sweat just pulling it down and see wire sticking out of a ring lug, strands stretched and broken. "WHAA?!..." New lug crimped and bolted on (can't solder here) the Half-Square is gently hoisted back up. While tying the coax end down it suddenly goes slack and I hear wire slapping against the roof of a pick-up parked by the coyotes. Another wire break at a lug! This IS bad, must be a whole section of that used #16 from the loop that got strained when the tree fell on it in March. O.K., don't panic. Just put up the 20 m Sterba and

load it like a long wire on 40 m. By 1:45 Mr Sterba is up and stable in the swealtering calm and I'm gulping another Gatorgag when slap of wire on tin roof is heard again. Employing every ounce of skills learned in that 12-step program I fight back waves of incendiary urges as the pile of tangled wire is taken down, re-organized, re-lugged, (yeeees, another break at a lug), and begin re-hoisting.

Mr Sterbas' bottom hasn't even cleared the ground yet and I note with horror that the support line has somehow formed a tight, resin-coated loop around a pine branch maybe 40' up. Climbing is definitely out due to renewed nausea and interesting visual special effects. Can't even break the branch off with help of mountain bike rider in Chartruse synthetics who smells like a sweat lodge for Sasquatchae. He stepped in one of the A-B-C-Ds', (Anti-Beaurocrat Cannine Deposit), and quit in a hail of unfamiliar vituperations, maybe Hungarian. I may be wrong but suspect that he won't be showing up at our ham club meets any time soon.

Well, I won't bore you with the rest of the day except to say it was all down hill from there. Not one Q. It's now four days later and I'm pretty much back to normal except when I rake that lump over my ear with the comb. I'm not to the point yet where I can return to Huntington Park to retrieve the entangled line. Maybe next week or so. Haven't even turned on the rig.

Dr Katz recommended I write this all down and bring it to Group next Tuesday "as a way to facilitate the process of letting go". I'll let you know how it goes. =s=

"Seab" Lyon -- AA1MY
Bethel, CT; USA FN-31-HJ
ARCI #9253; QRP-L # 574
NEQRP# 511; ARRL; QCWA;
C.A.R.A.

Date: Thu, 31 Jul 1997 00:34:30 -0400 (EDT)
From: JFKluender@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24046] trees&antennas
Message-ID: <970731003430_277971052@emout03.mail.aol.com>

Fellow qrp'ers,
Permit me to pick your brains yet one more time...

Based on high reviews from many members of this list, I have decided I will (probably) put up an 80 M "Loop Skywire". Limitations of my QTH will require it to be configured as an 88' x 52' rectangle, 30' high on three corners an 17' high at the fourth (this will be attached to the top of a Martin House - I have decided I am a bird lover now :)

Date: Thu, 31 Jul 1997 00:38:26 -0400 (EDT)
From: JFKluender@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24047] trees & antennas
Message-ID: <970731003823_-972690449@emout06.mail.aol.com>

Fellow QRP'ers,
I just lost a message (off my screen) that I was composing and I'm not sure if it was sent or if it disappeared into cyberspace, so I will repeat the just of it here.

I am planning on building a 52' x 88' 80M Loop Skywire. It will be 30' high at three corners and 17 feet (top of a Martin House - I have now become a bird lover in the interest of having an antenna support at that end of my lot). But it will be required to pass through some tree branches at a few points around the perimeter. From experience, can people say how bad this will detune the antenna?

Thanks,
Joel, NF9K

Date: Wed, 30 Jul 1997 21:36:58 -0700
From: "Richard E. Fisher" <ki6sn@pe.net>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Cc: "'Richard Fisher, PE.net'" <KI6SN@pe.net>
Subject: [24048] ARS Report: KI6SN/BB (long)
Message-ID: <01BC9D30.D7FB6860@ki6sn>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

1997 Flight of the Bumblebees Report
Richard Fisher, KI6SN/BB
Location: Rancho Jurupa Park, Southern California
Mode: Mountain bike, 14 miles round trip

* * * * *

Suddenly, a pack of wild dogs came running across the operating site. . =
.

But I'm getting ahead of myself.

Adventure Radio Society's 1997 "Flight of the Bumblebees" was my entree =
into portable, minimalist QRP, and it was as exciting and educational as =
it was fun.

Mountain biking was chosen as the mode of human-powered transport. It =
was a perfect Southern California day for pedaling QRP -- both literally =
and figuratively.

>From our home in a neighborhood on the edge of Riverside's citrus =
greenbelt, the 7-mile ride to Rancho Jurupa Park outside Riverside took =
me through the city's downtown, across the Santa Ana River to the =
outskirts of the little town of Rubidoux (RUE-beh-doe).

The transformation from asphalt and traffic lights to split rail fences =
and wide open space isn't too hard to take on a Sunday morning.

I pedaled out old Seventh Street (now Mission Inn Avenue) which in its =
day was the main road from Los Angeles to Riverside and Palm Springs. =

The avenue skirts Mount Rubidoux, renowned for being set ablaze each =
Fourth of July when the city's fireworks fall into the hill's =
tinderbox-dry brush. But that's another story.

The Santa Ana River separates the city from the country. Once across, =
you're on the fringes of rural Rubidoux and only about a mile from =
Rancho Jurupa Park, nestled in a greenbelt area off the main road.

On the night before /BB, I set up the station in the back yard at home =
to test a new antenna and transmatch built specially for the contest. =
Tearing down the gear and putting it piece-by-piece into my backpack =
assured that all the cables, headphones, batteries, and so on, would be =
there when I set up for the real thing. Equipment included two SSTs (40- =
and 20-meters); a TiCK-2 keyer in a very small box; Paddlette iambic =
paddle on a knee-mount; 2 aH gel cell; new homebrew Z-match tuner; =
dipole with custom-made center insulator; 450-ohm ladder line; =
slingshot, assorted cables, notebook, pencils, etc.=20

On the backyard picnic table the gear look lightweight enough. Jammed in =
the backpack, though, it tipped the scale at 10 lbs. Amazing how little =
things can add up.

On Sunday morning a thick marine layer provided a nice, cool canopy for =
the ride to the park. It was chilly as I pedaled past the famed Mission =
Inn, historic Riverside homes, around the base of Mount Rubidoux and out =
of the city. A beautiful ride, even under a leaden sky.

In a little less than an hour I had arrived at Rancho Jurupa Park's =
entrance, where a ranger listened patiently as I explained I was a radio =
amateur and that I'd like to put an antenna in a tree using a slingshot. =
My speech (rehearsed during the last mile) was met with glassy-eyed =
bewilderment. "You're a what?" Thankfully there were no further =
questions. Into the park I pedaled. A stand of four tightly-clustered =
trees in the distance seemed the perfect spot for operation. Good =
support for an inverted V, and lots of shade. Marine layers do burn off, =
you know.

What struck me immediately was the quiet and peacefulness of this place. =
Coming out of a city of 250,000 people, little Rancho Jurupa Park is a =
bit of heaven. Roosters crowed in the distance. A mourning dove traded =
calls with a crow. A skunk was neither seen nor heard -- but certainly =
smelled. I was a most humble visitor.

A Y-shaped crook in the top branches of one of the trees was the =
bullseye for the apex of the inverted V. I aimed the slingshot, fired =
and split the uprights on the first try. Almost too good to be true. =
Next came assembly of the antenna and hoisting it to about 30-feet. It =
was all going smoothly until strings I had set out to tie off the ends =

of the V became a tangled mess. To make matters worse, they were soaked =
in dew. Fifteen minutes of mind-numbing de-knotting solved the problem. =
Up went the center of the antenna. One leg of the dipole was tied off on =
a barbed-wire fence -- which, naturally, I managed to cut myself upon. =
The other leg drooped into an open area, but there was nothing to tie it =
on. Rooting around for a good-sized rock or piece of wood yielded =
nothing. Then I saw my mountain bike leaning against the tree. Ah, =
there's the answer. I wheeled the bike over and laid it down. The second =
leg of the V was tied to the crossbar. Who says bikes don't make good =
antenna hardware?

An old picnic table covered with ants would have to do for an operating =
table. Everything connected as planned -- no missing cables or =
accessories. What a relief. It would have been a l-o-n-g ride home to =
get them. Applying power brought a rush of audio, and more relief. =
Things were working.

Tune-up seemed to go according to plan. Things dipped where they should =
dip and peaked where they should peak. Minutes before /BB's start, W6LFJ =
was pounding in on 40 meters from Alcatraz Island. He returned my call, =
but I was a bit disappointed with only a 559 signal report. Afterall, he =
was S-9 plus a zillion, running 50 watts. I was expecting at least a 579 =
or 589. Alas, that was the story of the day. Even loud stations didn't =
seem to be hearing me all that well. It could have been my location -- =
in the shadow of Mount Rubidoux -- or conditions. But I think the =
antenna and feed system need more study. Things just didn't feel right.

For /BB's kick-off, I worked 20 meters, snagging K0SU in Colorado (439), =
N7GS in Montana (539) and KG7OM in Washington in quick order. But things =
dried up quickly. My 20-meter SST tunes only to the low side of 14.060 =
MHz (about 14.058), so I suspect some /BB contesters may not have been =
operating in my SST's frequency range. Lesson learned: Make sure your =
radio sweeps to either side of the standard QRP frequencies.

Shifting to 40 meters there was a relatively good run of California, =
Arizona and Idaho stations through the morning. Signals were reasonably =
good, but I was still receiving RSTs below expectations. Too bad. It's =
testament, though, to what great operators QRPers really are. They =
pulled me out of the mud, and I'm very appreciative.

Back on 20, Idaho and Oregon were added to the states list.

At about 10:40 a.m., just as the sun started burning through the marine =
layer, a four-pack of wild dogs came racing through the operating site. =
Scared the heck out of me. Looking dirty and grouchy, they seemed most =
interested in harassing the bicycle -- which was just fine. I only hoped =
they didn't grab the leg of the inverted V and run off with it in tow. =
They eventually got bored and raced to another campsite. On this day, we =

didn't need dogs in the QRP ranks anyway. Just bumblebees.

Activity ebbed and flowed on both 20 and 40. I had mini-QSOs with N6WG = and W7AQK/BB when things slowed down. With a sigh of relief, at 2 = p.m.Pacific, I tallied KI6SN/BB's score: 16 QSOs on 40 meters (16 = points); 6 QSOs on 20 meters (12 points); Bumblebees KD7S, N6GA, N7TN = and W7AQK (X 12). Total: 336 points.

Take-down and packing took about 20 minutes. By 2:30 p.m. I was back on = the road, tired and elated.

A great day. A great adventure. This bee would pedal QRP just about any = day.

Date: Wed, 30 Jul 1997 23:42:17 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: "jaevans@codenet.net" <qrp-1@Lehigh.EDU>
Subject: [24049] Re: [TenTec] Computereceivers
Message-ID: <2.2.16.19970730214150.2a2f2134@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:13 AM 7/30/1997 -0600, John Evans - N0HJ wrote:

>> Yeah, and what about us folks who use Macs.

>

>Yeah, and what about my Timex-Sinclair ???

I've got a Sinclair Research ZX-81 that I built floating around somewhere.

@~~~

@ John Elder, Ko6TS

@ PHROG (Pagan Ham Radio Operators' Guild)

@ Box 232, El Segundo, CA 90245

@ Does a psychologist eat his Jung? How does his inner child feel about this?

Date: Thu, 31 Jul 1997 01:25:21 -0400
From: Ed Tanton <n4xy@BellSouth.net>
To: JFKluender@aol.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24050] Re: trees & antennas

Message-ID: <3.0.1.32.19970731012521.009fdb80@mail.atl.bellsouth.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Not as badly as it seems to affect dipoles and the like. Perhaps it is a percentage thing, but my loops have never seemed as 'upset' by trees/etc. as more ordinary dipoles and G5RVs.

///snip

>lot). But it will be required to pass through some tree branches at a few
>points around the perimeter. From experience, can people say how bad this
>will detune the antenna?

>

>Thanks,

>Joel, NF9K

>

>

>

>

72/73

Ed Tanton N4XY

EMAIL: n4xy@bellsouth.net

189 Pioneer Trail

Marietta, GA 30068-3466

TEL: (770)579-3933 V/MBX/FAX

QRP-ARCI #7663

G-QRP #6779

OK-QRP #172

QRP-L #758

AdvRC #140

NORCAL #1779

NCDXF

SEDXC

Life Member:

ARRL

AMSAT

INDEXA

QCWA

INTERESTS: DX QRP BoatAnchors Test Equipment Photography

CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

~~~~~  
"Think you can, think you can't: either way you're right!"

Henry Ford

-----  
Date: Thu, 31 Jul 1997 01:28:44 -0400

From: Ed Tanton <n4xy@bellsouth.net>

To: paul11@wizard.ucs.sfu.ca

Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [24051] Re: Crystal testing???

Message-ID: <3.0.1.32.19970731012844.00a7c8a0@mail.atl.bellsouth.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I'm not familiar with the circuit... but I would try the ones that didn't work in one of the common 4049 / 74C04 /etc CMOS inverter/etc. based oscillators and see what happens. They seem to ALWAYS oscillate (for me) with everything that WILL oscillate.

At 08:57 PM 7/30/97 PDT, Paul Erickson wrote:

>Hi Everyone,

>

>I just finished building Doug DeMaw's "A tester for Crystal F, Q, and R".  
>(QST Jan. '90). It seems to work fine, but I found that 2 out of the 10  
>crystals that I ordered from Mouser do not seem to want to oscillate. Is  
>this a reasonable "failure rate"? I have just used it to match F, and  
>found 3 close enough to use in my 38s, but how can I check to make sure  
>that the oscillator is not operating too close to the edge? I don't have  
>a problem throwing out questionable crystals, but want to make sure, that  
>they should be turfed. By the way, I am using an S&S counter.

>

>Any and all suggestions will be appreciated.

>

>cheers, Paul

>VE7CQK

>email: paul1@wizard.ucs.sfu.ca

>

>

>

>

72/73

---

|                   |            |                              |
|-------------------|------------|------------------------------|
| Ed Tanton         | N4XY       | EMAIL: n4xy@bellsouth.net    |
| 189 Pioneer Trail |            |                              |
| Marietta, GA      | 30068-3466 | TEL: (770)579-3933 V/MBX/FAX |

---

|                |              |             |            |       |
|----------------|--------------|-------------|------------|-------|
| QRP-ARCI #7663 | G-QRP #6779  | OK-QRP #172 | QRP-L #758 |       |
| AdvRC #140     | NORCAL #1779 |             | NCDXF      | SEDXC |
| Life Member:   | ARRL         | AMSAT       | INDEXA     | QCWA  |

---

INTERESTS: DX QRP BoatAnchors Test Equipment Photography  
CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford
~~~~~

-----



Date: Wed, 30 Jul 1997 22:35:50 -0700 (PDT)  
From: Alan Kaul <kaul@netcom.com>  
To: qrp-1@Lehigh.EDU  
Cc: Lillian Svec and Wayne Burdick <svecbrdk@well.com>  
Subject: [24052] In praise of the SST-20  
Message-ID: <Pine.3.89.9707302213.A23879-0100000@netcom20>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I can't say enough nice things about my optimized SST (using Dave-W6EMD's mods -- and one of my own to increase the VXO tuning 14.046-14.063).

Terrific little rig!!!! Running about 3W output, 15V AC supply.

I've had only 4-contacts -- BUT WITH FOUR DIFFERENT DXCC COUNTRIES!

K0EVZ, SM5AGI, VE4GEC and VK2KM (the SM5 lost me in Euro QRM--but the rest of the QSO's went to completion).

Three times I answered CQ's, once someone answered mine.

All QSO's between 0420Z and 0530z on 3 different evenings.  
My sigs ranged from 589 to 529.

My antenna is an A3 tri-band Yagi at about 40-feet.

Wow!

[<Alan Kaul, W6RCL>] kaul@netcom.com

-----  
Date: Thu, 31 Jul 1997 05:39:29 +0000  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
To: qrp-1@Lehigh.EDU  
Subject: [24053] Crystal Deal from C-W Crystals  
Message-ID: <19970731053925.AAB17608@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The following posted by request from John at C-W Xtals....

Hi Gang,

After considerable message's attempting to pick a group of frequencies to offer here's the deal:

Group #1: 5 Each 80 EXTRA: 3505, 3510, 3515, 3520, 3525 Khz. for \$29.00  
Postpaid CONUS  
Group #2: 5 Each 80 GEN. : 3550, 3555, 3560, 3565, 3570 Khz. for \$29.00  
Postpaid CONUS  
Group #3: 5 Each 80 GEN. : 3530, 3535, 3540, 3545, 3550 Khz. for \$29.00  
Postpaid CONUS  
Group #4: 7 Ea. 80 GEN. : 3530, 3535, 3540, 3545, 3550, 3555, 3560  
Khz. for \$40.60 Postpaid CONUS  
Group #5: 5 Each 80 NOV. : 3700, 3705, 3710, 3715, 3720 Khz. for \$29.00  
Postpaid CONUS  
Group #6: 5 Each 80 NOV. : 3680, 3685, 3690, 3695, 3700 Khz. for \$29.00  
Postpaid CONUS  
Group #7: 7 Ea. 80 NOV. : 3680, 3685, 3690, 3695, 3700, 3705, 3710  
Khz. for \$40.60 Postpaid CONUS  
If anyone want's the 3880, 3885 AM Freq. crystals added to one of the above  
groups, add an additional \$5.80 for each crystal desired.

I've tried to include something for every Class of operator as I did  
with the "40 Meter Group Buy" offers.

I NEED A MINIMUM OF 40 ORDERS TO BE ABLE TO MAKE THIS OFFER AT THIS  
PRICE. So let me hear from you.  
ORDER DEADLINE: Offer expires AUGUST 31, 1997

John Morris  
C-W CRYSTALS (Formerly Phoenix Crystals)  
1714 NORTH ASH ST.  
NEVADA, MO 64772

Supplying custom crystals for Vintage Equipment, QRP'ers, Amateurs, and  
Experimenters since 1933.

-----  
Date: Wed, 30 Jul 1997 23:02:14 -0700 (PDT)  
From: Alan Kaul <kaul@netcom.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24054] Re: In praise of the SST-20  
Message-ID: <Pine.3.89.9707302201.A1277-0100000@netcom10>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Oooops, I spoke too soon - - - - -

Just had QSO # 5 and worked my 5th SST-20 country...  
KH6AFS, Sam, in Hilo -- 2 x QRP!!!

Great rig, Wayne and Bob!

[<Alan Kaul, W6RCL>] kaul@netcom.com

-----  
Date: Thu, 31 Jul 1997 02:29:49 -0400 (EDT)  
From: ROYGREGSON@aol.com  
To: WD6BOR@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [24055] AOL Problems  
Message-ID: <970731022949\_-1475079831@emout15.mail.aol.com>

Darrel WD6BOR and gang.....on the AOL thing, forgot to leave the phone number for AOL which is a difficult thing to find at times. As of last night, the problem has not been solved. The phone jumber is 1-800-827-6364, and you have to go thru the many "push # x on your dial to continue etc." Hopefully things are back to normal tonight !

Roy

-----  
Date: Thu, 31 Jul 1997 03:19:42 -0400 (EDT)  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [24056] PWR METER FOR EMTECH  
Message-ID: <970731031941\_1792894505@emout05.mail.aol.com>

I would like to install a POWER METER in my EMTECH rig. It already has a meter circuit coming off the antenna but I guess for some reason it is not being utilized for such a purpose.

#### QUESTIONS

1: Can the existing circuit be modified so it can be used as a power meter circuit?

2. In WIFB'S QRP NOTEBOOK it shows a combination DUMMY LOAD / POWER METER

circuit. Could this be installed (less dummyload) in the EMTECH in lieu of the meter circuit already there?

Thanks...Alan KB7MBI

-----  
Date: 30 Jul 1997 19:54 EDT  
From: "Michael Babineau" <babineau@nortel.ca>  
To: qrp-1@Lehigh.EDU  
Subject: [24057] 30 Meters Open to Europe  
Message-ID: <199707310758.DAA60050@nss2.CC.Lehigh.EDU>

Wow :

I turned on the rig last night at about 6:30 EDT and tuned around on 30M for a few minutes. I copied GM, OZ, EU1, SP1, OK1, OK2 and a DL4 all booming in like they were next door. Unfortunately I was in the middle of something else and had no time to play radio. This was reminiscent of my days as a VE1 back in the early 80's.

Michael  
VE3WMB

-----  
Date: Thu, 31 Jul 1997 04:54:51 -0500  
From: "Claton Cadmus" <aplitech@spacestar.net>  
To: "QRP-1" <qrp-1@Lehigh.EDU>  
Subject: [24058] Attention Minnesota QRPers  
Message-ID: <199707310955.EAA26292@webster.spacestar.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

The August meeting of the Minnesota QRP Society will be held at 1:30pm this Saturday, August 2nd at the Minnetonka Community Center. If you are going to be in the Minneapolis area, please feel free to attend. For more info visit our web page or drop me an email.

Directions to the Center:

Exit 494 at Minnetonka Blvd. (just south of 394) and go west to Williston Road (less than 1/4 mile) and turn right(north). The Community Center is the first building on your right. Plenty of parking right there. If you need talk in, we will try to have someone on the 145.45 repeater.

— — — —

73 de KA0GKC Claton Cadmus  
E-mail cla@spacestar.net  
If you live in Minnesota check out this webpage!  
<http://www.spacestar.net/users/aplitech/mngrp/>

-----

Date: Thu, 31 Jul 1997 12:00:22 +0000  
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>  
To: JFKluender@aol.com, qrp-1@Lehigh.EDU  
Subject: [24059] Re: trees & LOOPS  
Message-ID: <19970731120020.AAA12939@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

[illegible]

At 04:34 AM 7/31/97 +0000, you wrote:

>Fellow grp'ers,

```
> Permit me to pick your brains yet one more time...
```

 $\gamma$ 

> Based on high reviews from many members of this list, I have decided I  
>will (probably) put up an 80 M "Loop Skywire". Limitations of my QTH will  
>require it to be configured as an 88' x 52' rectangle, 30' high on three  
>corners an 17' high at the fourth (this will be attached to the top of a  
>Martin House - I have decided I am a bird lover now :)

 $\succ$  $\succ$  $\succ$ 

"Seab" Lyon    --    AA1MY  
Bethel, CT; USA FN-31-HJ  
ARCI #9253; QRP-L # 574  
NEQRP# 511; ARRL; QCWA;  
C.A.R.A.

-----

Date: Thu, 31 Jul 1997 12:00:25 +0000

From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>  
To: n4xy@BellSouth.net, qrp-l@Lehigh.EDU  
Subject: [24060] Re: trees & Loops  
Message-ID: <19970731120020.AAB12939@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I agree, but still sought and found a way to utilize the very top-most branches of trees to hold the support lines and provide spring-tension for the loop. The whole loop "floats" in plastic clothesline pulleys so that tension is evenly distributed as trees move. A great way to add the pulleys after the ant. is in service is to drill out the rivet "axel" and replace it with a 1/4 - 20 x 1' bolt, which allows the pulley to be installed on a continuous wire.

72 =S=

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

At 05:25 AM 7/31/97 +0000, you wrote:

>Not as badly as it seems to affect dipoles and the like. Perhaps it is a  
>percentage thing, but my loops have never seemed as 'upset' by trees/etc.  
>as more ordinary dipoles and G5RVs.

 $\gamma$ 

```
>///snip
```

```
>>lot). But it will be required to pass through some tree branches at a few
>>points around the perimeter. From experience, can people say how bad this
>>will detune the antenna?
```

&gt;&gt;

>>Thanks,

>>Joel, NF9K

&gt;&gt;

&gt;&gt;

&gt;&gt;

&gt;&gt;

>72/73

>

---

>Ed Tanton      N4XY                          EMAIL: n4xy@bellsouth.net

>189 Pioneer Trail

>Marietta, GA 30068-3466

TEL: (770) 579-3933 V/MBX/FAX

>

>ORP-ARCI #7663      G-ORP #6779      OK-ORP #172      ORP-L #758

>AdvRC #140

G-QRP #6779

OK-QRP #172

QRP-L #758

NORCAL #1779

NCDXF

SEDXC

 $\gamma$ 

>Life Member:

ARRL

AMSAT

## INDEXA

OCWA

>

```
>
>INTERESTS:  DX      ORP      BoatAnchors  Test Equipment  Photography
```

>CW: 99.9%      QRP: 95-100% (Mood swings!)      Mercury Paddle #0214

>~~~~~  
>"Think you can, think you can't: either way you're right!"      Henry Ford  
>~~~~~

>  
>  
"Seab" Lyon    --    AA1MY  
Bethel, CT; USA FN-31-HJ  
ARCI #9253; QRP-L # 574  
NEQRP# 511; ARRL; QCWA;  
C.A.R.A.

-----  
Date: Thu, 31 Jul 1997 08:14:32 EDT  
From: Conway Yee <cyee@bidmc.harvard.edu>  
To: <qrp-l@Lehigh.EDU>  
Subject: [24061] project case questions (mainly)  
Message-ID: <07311997081432.3N194T@email.bidmc.harvard.edu>

Guys,

I am working on a project which requires a relatively large project box. While I am not even close to being ready to put it in a case, I have realized that major delays occur if I fail to plan ahead. I am hoping to have the project ready for Field Day 1998. It could be tight.

My guess is that the project will require a box that is between a 30 caliber and a 50 caliber ammo box in size.

The advantages of the ammo boxes are:

- 1) cheap
- 2) relatively water proof (great for field use). At least I THINK it is water proof. Comments?
- 3) rugged
- 4) comes with a handle
- 5) cheap

The disadvantages are:

- 1) relatively heavy
- 2) a bitch to cut holes in (if needed).
- 3) difficult to get a new looking box.

In order to preserve the waterproof nature of the box, I am going to try to avoid cutting holes. All the boxes I have been able to find have at least a little surface rust. I also want to refinish the

surfaces. The outsides for cosmetic reasons and the insides for heat conduction. What is the best way to

- 1) remove the green paint
- 2) remove the surface rust
- 3) put on a new coat of paint?

How much does the paint detract from the heat conducting properties of the metal? Is there a heat conducting paint?

Is there a good way to make the case cover removable without destroying the case and its water integrity?

Also, any ideas on a lighter project case? I am a bit leery of the weight penalty inherent in the ammo boxes even though I admit it adds a great deal to the durability of the case.

Wrt power sources, I seem to vaguely remember from an article in QST about the existance of a foldable solar panel which is perfect for field use. Pointers?

Finally, is there a homebrew mailing list?

tnx es 73 de Conway Yee, N2JWQ

-----  
Date: Thu, 31 Jul 1997 08:19:27 -0400 (EDT)  
From: Wa2eaw@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [24062] 1/4 vert.+director  
Message-ID: <970731081925\_-1307015671@emout11.mail.aol.com>

Hello gang;

I know I will get help with this question!! I have been operating from the beach in Fla. using the Atlantic as my ground with 1/4 wavelength on 20M vert. ;fed by an HW 8.

I wish to "juice up" the out put by using a director , space about .2 wavelengths from active element. My question is ..what happens to my feed point impedance and how do I handle any drastic changes???

Thanks in advance. Use your discretion in posting the answer or e-mail direct. I dont know how much this information is useful; to the group in general.

72 and tn timer de WA2EAW....Bob

-----



Date: Thu, 31 Jul 1997 08:18:01 -0500  
From: "Claton Cadmus" <aplitech@spacestar.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [24063] Re: S units vs DB  
Message-ID: <199707311319.IAA26812@webster.spacestar.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

Before we get too far away from the original question, maybe we should =  
clarify what an S-meter is or better what it was supposed to be.

Without going into a long history, there was an attempt made many years =  
ago to establish a standard for the S-meter. That standard says that a =  
50 microvolt signal at the receiver antenna terminals is equal to S9, =  
this was presumably a 50 ohm antenna connection. Signals less than that =  
will be expressed in lesser S units with each S unit representing a 6dB =  
change, signals greater are expressed in additional dB over S9. So, S5 =  
would be -24dB from S9. Also, there is no provision for type of antenna =  
and this system doesn't represent the actual field strength of a =  
signal at the receiver's location. It is good only for relative =  
comparisons.

Great, now there's a standard. But, and this is a big BUT. Very few =  
receivers ever used this standard and it seems each manufacturer has =  
their own standard, which by the way also seems to vary between models! =  
And if you ever actually measure your S meter you will find that it =  
varies between individual S units too. I believe these "standards" are =  
chosen for ease of construction and to market the equipment much like =  
"watts" is used in the audio business. "Look Joe, this one's receiver =  
is much hotter. The S7 signal on that YACOMWOOD is 10dB over S9 on this =  
here IKENSEU"

The bottom line is that this discussion about S-meters is a bit moot as =  
almost no one really has one!=20

But for those that do, if you give a station operating at 5 watts a =  
signal report of S7, this station would need to increase his ERP =  
(Effective Radiated Power) by 12dB to get an S9 report from you. To do =  
this he could increase his power to about 80 watts or switch over to =  
that 12 dBX gain Yagi(X=3Dthe antenna he was using). He also could wait =  
for conditions to improve and his path loss to decrease by 12dB.

Have fun, it's only a hobby!  
73 de Cla KA0GKC

-----

Date: Thu, 31 Jul 1997 09:30:37 EDT  
From: w2gum1@juno.com  
To: Wa2eaw@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [24064] Re: 1/4 vert.+director  
Message-ID: <19970731.084714.8191.1.w2gum1@juno.com>

Hi Bob,

How about feeding the two 1/4 wave whips a half wave apart with equal lengths of feed line, I think they would be less critical to optimise, I plan on doing that with two SD 20 fishing poles on 20 meters. I think the gain would be about the same as a two element parasitic array and a lot easier to get working. Maybe we could do some testing to gether, I could be operational from the beach here at Long Branch NJ, HI

Are you still playing around with your kite ?

What is your location in FLA ?      Mine is at Melbourne, I go South after  
the first of the year.              Good luck and take care.      VY 73  
    Tony,              W2GUM

-----  
Date: Thu, 31 Jul 1997 09:37:57 -0400 (EDT)  
From: ARDUJENSKI@aol.com  
To: cyee@bidmc.harvard.edu, owner-qrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU  
Subject: [24065] Re: project case questions (mainly)  
Message-ID: <970731093755\_594659750@emout05.mail.aol.com>

For the same price (and sometimes even cheaper) you can buy PLASTIC AMMO BOXES. No, not real ammo boxes but exact copies. They are STRONG, LIGHTWEIGHT and WATERTIGHT and they LOOK GREAT. They are a "maritime" orange color.

Most marine supply stores around the Pacific Northwest carry them, but for a source you can call on ENGLUND MARINE in Astoria, WA. They offer just as gud a price as I have seen anywhere. There number is (800)228-7051 and ask for Dean.

COST will range from about \$10-20 depending upon the size. I am not affiliated withthese folks, just use these boxes alot for marine use.

Regards...alan KB7MBI (woodinville, wa)

-----

Date: Thu, 31 Jul 1997 07:54:56 -0600 (MDT)  
From: bcutter@teal.csn.net (Bob Cutter)  
To: qrp-1@Lehigh.EDU  
Subject: [24066] SSB HB Sprint  
Message-ID: <199707311354.HAA06458@ns-1.csn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'll be on with my Cascade, 20M most of the time.

72, Bob KI0G

-----  
Date: Thu, 31 Jul 1997 09:48:32 -0400  
From: "Dave Maliniak" <dmaliniak@penton.com>  
To: qrp-1@Lehigh.EDU  
Cc: njqrp@njqrp.org  
Subject: [24067] W6JJZ Z-match  
Message-ID: <852564E5.004B488B.00@mail.penton.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Has anyone built W6JJZ's updated Z-match tuner (QRP Quarterly, July 1995, page 10)? I've been wanting to build a balanced-line tuner for field use and this looks promising. So I'm looking for any feedback from the assembled multitudes. Does anyone know if Charlie's take on the Z-match is different than Emtech's?

Oh yeah...anyone have a source for T-200-6, T-130-6 or T-157-6 cores?

72 David N2SMH  
Glen Rock, NJ

-----  
Date: Thu, 31 Jul 1997 10:11:58 -0400  
From: "Dave Maliniak" <dmaliniak@penton.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24068] Re: SSB HB Sprint  
Message-ID: <852564E5.004DE1EB.00@mail.penton.com>  
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

That makes two of us on 20 with Cascades. I'll be listening up for you, Bob.

72 David N2SMH  
Glen Rock, NJ

I'll be on with my Cascade, 20M most of the time.  
72, Bob KI0G

-----  
Date: Thu, 31 Jul 1997 09:19:32 -0500 (EST)  
From: Bob Finch <bfinch@vet.purdue.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [24069] db's and truth  
Message-ID: <199707311419.JAA21777@vet.vet.purdue.edu>

thru painful (to me) lessons learned here, i WILL NOT gET INTO it here  
on the debate about db's

i say debate because this is shaping up to be one!

on the other hand this is neat!....another debate on qrp-1 to keep  
things lively.

and if anyone is confused do what REAL engineers do and 'normalize'  
the r in ohms law to one (i.e. just make it one and don't worry about  
it for now)...then run some simple alegabic equations from the  
tech class testing.....

and u shall see that a db is just a db and is just a ratio....

rule one

(rule two is see rule number one)

there, i shudn't have offended anyone unless they rethought their arguments and seen the light; so to speak

if ur too lazy to normalize the equations to one and run them never forgetting rule number one above.....then flame away!

baab  
w9ya@amsat.org

p.s. i still haven't said who is right...tee hee....!

-----  
Date: Thu, 31 Jul 1997 10:34:23 -0400  
From: cooper@gmpvt.com (Tom Cooper)  
To: qrp-1@Lehigh.EDU  
Subject: [24070] Noisebuster headphones  
Message-ID: <199707311434.KAA00403@web.gmpvt.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Yo! to all,

The Noisebuster EXTREME! Portable Stereo Headphone System" caught my Visa card recently and seems to work great. It is a pair of very comfortable headphones that have microphones at each ear connected to a little box that provides active noise cancellation. You get "up to" 15 db of cancellation in the 20 to 1500 Hz range. I have a big window fan that is pretty annoying, and these make the noise go away. It seems to work on traffic noise and French horn music, too. You can plug the audio from your headphone jack into the little box and use it like regular headphones or just enjoy the peace and quiet. It was \$69.95 in the store.

Tom W1EAT

-----  
Date: Thu, 31 Jul 1997 09:08:55 -0500  
From: Bob Reynolds <breynold@sigg.com>  
To: qrp-1@Lehigh.EDU

Subject: [24071] Kenwood TH-2AT / TH-21AT EMBARRASSMENT  
Message-ID: <97Jul31.090455cdt.19736@firewall.sigg.com>  
Mime-Version: 1.0  
Content-Type: text/plain  
Content-Disposition: inline

Boy, am I EMBARRASSED. Yesterday I posted a TH-2AT for sale. Last night I looked at again and found it was in fact a KENWOOD TH-21AT. If anyone is interested, my mail will be down from 3pm Friday August 1st until 8am Monday, August 11th. Sorry for the error, my sister is right - I am brain damaged.

FS: Kenwood TH-21AT, charger, 2 battery packs, ht ant, mag-mount 5/8 wave ant, carry strap. Case cracked over PTT switch held by rubber band (too lazy to properly fix it) Switches 180 MW or 1 Watt out, thumbwheel freq select in 5kc step, keypad works - all elect. works perfectly. NO-MEMORY - JUST GOOD FM. Available after August 11th (it's going to Arkansas next week) \$50 + shipping from NW Chicago area.

breynold@sigg.com

-----  
Date: Thu, 31 Jul 1997 09:28:40 -0500  
From: Bob Reynolds <breynold@sigg.com>  
To: malman@BBN.COM, qrp-1@Lehigh.EDU  
Subject: [24072] QRP ARCI SSB Sprint -Reply  
Message-ID: <97Jul31.092439cdt.19737@firewall.sigg.com>  
Mime-Version: 1.0  
Content-Type: text/plain  
Content-Disposition: inline

I'll be running mobile in Ill on 20 using a female voice (harmonic).

-----  
Date: Thu, 31 Jul 1997 11:12:57 -0400  
From: cooper@gmpvt.com (Tom Cooper)  
To: qrp-1@Lehigh.EDU  
Subject: [24073] Re: Noisebuster headphones  
Message-ID: <199707311512.LAA01309@web.gmpvt.com>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I forgot to mention that Brookstone was the store and so they probably have them in the catalog, too.

Tom W1EAT

-----  
Date: Thu, 31 Jul 1997 10:23:17 -0500  
From: Brian Cieslak <brianc@ams-i.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [24074] Re:Finally saw CONTACT  
Message-ID: <c=US%a=\_%p=Adaptive\_Micro\_S%l=AMS-I\_SERVER\_-970731152317Z-1130@ams-i-server-1.ams-i.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Aw Paul,  
You revealed too many inside secrets. As tempting as it was, I kept from pointing out the technical discrepancies of Men in Black that those of us on the inside would have caught.

B

-----  
Date: Thu, 31 Jul 97 08:32:01 -0700  
From: Russ Carpenter <russ@natworld.com>  
To: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [24075] Second Reminder for the AUGUST SPARTAN SPRINT  
Message-ID: <199707311531.IAA07132@guppy.pond.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

The August Spartan Sprint will be held on August 4 (which is our standard date--the first monday of the month). We'll operate on two bands--40 and 20. DON'T WORRY IF YOUR STATION IS A BIT TUBBY. WE COMMEND THE WINNERS IN TWO CATEGORIES--POINTS, AND POINTS PER POUND.

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT.  
Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT.
2. The frequencies will be 7040+- KHz and 14,060+- KHz. (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. You can take credit for working the same station on a second band.
6. To encourage QRPers to discover that there is life outside 40 meters, we'll give double points for contacts on 20 meters.

After the contest, send Russ Carpenter, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

As an alternative, you can use our automated Spartan Sprint report at the ARS web site. Just fill in a few boxes, click the "submit" button, and you're done! You can get directly to the report page with this URL: [http://www.natworld.com/ars/events/spartan/submit\\_spartan.html](http://www.natworld.com/ars/events/spartan/submit_spartan.html). Or you can take a more leisurely (and rewarding) stroll through the ARS site by going to the home page at <http://www.natworld.com/ars>.

Russ will be on a hiking trip during the first week of August, so there will be a little delay in reporting the results. Expect them to be posted on the QRP-L around August 14.

\*\*\*\*\*

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

<P>



ARS provides handsome certificates to the operators who achieve the top two scores in points, and points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@juno.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

72, Russ Carpenter, AA7QU, Contest Manager  
russ@natworld.com

-----  
Date: Thu, 31 Jul 97 08:32:03 -0700  
From: Russ Carpenter <russ@natworld.com>  
To: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [24076] An Embarrassing Bumblebee Story  
Message-ID: <199707311531.IAA07138@guppy.pond.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

I've been reading the Bee tales on the QRP-L and on the soapbox comments we've been receiving in the BB logs. Harrowing adventures of all kinds, including arduous hikes, death defying bike rides, and encounters with weather of a serious kind.

I'm embarrassed to report that my Bee venture was a little wimpy. A pleasant hike, perfect weather, incredible mountain scenery and 58 Qs. Oh well, I guess these things average out. During the past several years of QRP adventuring, I've had my share of learning experiences.

It's a good thing that the rest of you had more substantive adventures. We've got a reputation to keep up.

I'll be on a hiking trip next week, so I'll be a little late responding to ARS email. Thanks again for your participation and story writing.

Russ Carpenter, AA7QU  
Contest Manager for Adventure Radio Society

-----  
Date: Thu, 31 Jul 1997 12:11:12 EDT

From: Conway Yee <cyee@bidmc.harvard.edu>  
To: <qrp-1@Lehigh.EDU>  
Subject: [24077] plastic ammo cases  
Message-ID: <07311997121112.3N310T@email.bidmc.harvard.edu>

A number of people have emailed me privately suggesting the use of plastic cases (especially plastic ammo cases) since they are waterproof and much lighter.

The problem I have with them is that they are plastic and not metal. I was hoping to use the case as my heatsink.

tnx es 73 de Conway Yee, N2JWQ

-----  
Date: 31 Jul 1997 08:34 EDT  
From: "Michael Babineau" <babineau@nortel.ca>  
To: qrp-1@Lehigh.EDU  
Subject: [24078] Profile of Bumblebee #1 in Feb 1997 QST  
Message-ID: <199707311631.MAA26860@nss2.CC.Lehigh.EDU>

Hi:

While reading through the trials and tribulations of the recent "Flight of the Bumblebees" something struck a cord so I went digging through back issues of QST. For those of you that might have missed it, Bumblebee #1 (Lorraine Aubert) is profiled in a Feb 1997 QST article called "Field Day from the Summit of Mt San Jacinto".

Michael  
VE3WMB

-----  
Date: Thu, 31 Jul 1997 17:44:16 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-1@Lehigh.EDU  
Subject: [24079] K3ETS <SK>  
Message-ID: <199707311644.RAA05075@chuck.dallas.sgi.com>

I am copying this following message to this group, as I know we all are saddened by any loss to qrp-1.

I just received this message forwarded from another member of NORTEX.

-----  
Date: Wed, 30 Jul 1997 08:42:55 -0500  
From: Groucho <rjgrocho@rockdal.aud.alcatel.com>  
Organization: AlcatelTelecom  
X-Mailer: Mozilla 3.0 (X11; I; SunOS 4.1.3\_U1 sun4m)

It is my sad duty to inform all that Club Member  
Dennis Zeares - K3ETS, died last night (7/29/97)  
due to complications arising from his fight with  
cancer.

William Dennis Zeares was a member of Alcatel's  
Technical Publications department, a long-time  
Extra Class Ham and an avid QRPer. He was a  
member of the NorTex QRP Club and participated  
many of their events. Dennis also attended and  
operated at several AARA Field Day events.

He is survived by some family members, but that  
information is not available at this time. There  
will be further bulletins regarding services and  
a tribute in the August Paper Repeater.

N5UPF

Chuck Adams K5F0/6 CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>  
K5F0's online Morse Code course --- see the home page  
WIMPS: Qs=049 30m=35 17m=5 12m=0 States=24/05/00 DX=03/00/00 QSLs=016

-----  
Date: Thu, 31 Jul 1997 12:26:52 +0200  
From: "Juan A. Bertolin" <jbertolino@nexo.es>  
To: "QRP - LIST ADDRESS" <qrp-l@Lehigh.EDU>  
Subject: [24080] Which TX for HOWES?  
Message-ID: <199707311706.TAA19433@smtp.bankinter.es>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello QRP-wizards,

Recently, I receive a present from an uncle: an HOWES receiver for 3.5, 7 and 14 MHz. It works very well, I am bonning up the schematics to know how it works and the features.

Now I need a TX to work with the HOWES. Do you know any kit of a transmitter that I can use with the HOWES receiver?

I suppose that I need to prepare a relay in order to switch the antenna for transmission and reception but I think it is not a big problem.

Thank you in beforehand.

73 from EA5XQ, Juan

-----  
Date: Thu, 31 Jul 1997 10:49:16 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24081] Makita Battery Fixture, Quick Construction and Test  
Message-ID: <33E0D01C.DF5@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QRP-L and Hombrewer Gang:

I've been paring my station weight and improving versatility in preparation for our monthly Spartan Sprint. Last Month I ran the HW-8 with a straight key with plastic base, 2 Oz headphones, and my qrp tuner. Pretty light except for the 12 Volt car battery.

I wanted to try using my Makita, cordless drill-driver battery. I built a quick battery connector and ran the HW-8 then the OHR-100 off it. Now the battery is very old and the OHR-100 chirped with a maximum of 2 Watts obtainable. The HW-8 maxed out at 1 Watt and produced no qso's during the 10 minute try. I hope to get some decent results when I get home tonight after the battery is charged.

Building the fixture:

Outlined the battery end with a pencil directly on a 2x4 piece of wood. Using a 1 inch spade bit, I drilled out the majority of the shape about 1-1/2 inches deep. I carefully carved out the polarity key into the wood. After minor

shaping I got an excellent, deep fit into the wood and the battery stood very solidly in a vertical position -- Just like the charging position.

I made two 35 degree or so holes with a 3/8 inch drill bit and these were into the wood and into the cavity where the Positive and Negative terminals would be. My 16 AWG wire and vinyl covering fit snugly into the hole. About 1 inch of bare wire was then bent to allow contact with the battery terminals. I searched for but could not find any binding posts so just connected the wire directly to the power cable ends of the rigs' DC power cable.

FB and got success. Total time about 15 minutes from start to finish. And now have another power source for my rigs.

This is a 12 Volt Makita Battery.

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.

QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----

Date: Thu, 31 Jul 1997 11:25:15 -0400

From: "KFGlynn" <KFGlynn@prodigy.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [24082] Re: Summer Daze SSB Contest/N2TO from Brooklyn, NYC

Message-ID: <199707311749.NAA77628@mail1y-int.prodigy.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi gang,

Please listen for N2TO, hopefully working portable from a nearby park during the mid-afternoon. Will be working with my MFJ-9420 on 20M and inverted-vee up about 35'. Duing my last 5 or so trips to the park 20M has been very active from 1900-2300 UTC, so I'll shoot for around that time. There have been some rock concerts in that park recently during that time, and the bands have been pretty horrible. I love rock, but the music lately has been anything but.

Hoping it doesn't rain or be painfully hot/humid. If so, I'll have to bail to the home location.

GL to all and hope to work you.

72 Kevin N2T0

Kevin F. Glynn, N2T0  
Brooklyn, NYC  
KFGlynn@prodigy.net

-----  
Date: Thu, 31 Jul 1997 14:35:46 -0400 (EDT)  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [24083] GROUNDS, RADIALS 101  
Message-ID: <970731143546\_527625526@emout18.mail.aol.com>

Let me preface the following remarks with I am NEW to this electronics and so am easily impressed by what may be common knowledge to most of you.

I just finished Orr's book ALL ABOUT VERTICAL ANTENNAS and I got so excited went out and put one up and dang it, it works as well as he says it does. I ran a 33 ft wire from the roof peak to a point 12" above the ground. At the base of the lower connection I ran 12- 33 ft speaker wire radials. The radials and vertical wire were fed to the shack (20ft) with 450 ladder line into the ZM-1. (With this tuner the feed connections are isolated from ground)

The question that came up based upon several books was do I ground the radials at the base of the vertical or leave them ungrounded. Some books lead you to believe you need to ground them. SO I DID. It worked OK. But rereading Orr's book it explained the difference between radials and tuned radials. For tuned you dont want to ground them. So I ungrounded the radials but kept the rig (EMTECH) grounded. There was a noticable difference in its performance. I was getting some great DX (for me thats East of the Mississippi)

What I learned of great importance from this book was the ground resistance makes one heck of a impact on antenna performance. Spending more time ensuring the best ground may be a bit more important than the antenna itself. Also based upon the GROUND CONDUCTIVITY MAP I was able to see why some HAMS just naturally could get out better signals. Where I am I only am a "4" and the HAMS that I routinely hear (and envy their sig) are in regios of "20-30" (the higher the better the conductivity. Although these values may vary

slightly with seasons they are a gud benchmark.

When I get my portable vertical finished, I am going to make sure I have the BEST grounding system possible not just those 2-3 spikes! The book mentions the use of rolling out "chicken" wire in a cross...I hope I just don't run a foul...(sorry couldn't resist that)

Regardless of the type of antenna you use, this book has been by far the best one on explaining the principles in somewhat laymen terms...highly recommended reading from a NOVICE; starting from the "ground" up!!

Alan KB7MBI

-----  
Date: Thu, 31 Jul 1997 11:49:12 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: ARDUJENSKI@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [24084] Re: GROUNDS, RADIALS 101  
Message-ID: <33E0DE28.3CC9@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Alan. FB on your new antenna and experience.

I'm suggesting another comparison: (I am not being fecitious -- I don't know the answer). How about comparing your existing setup, i.e opent wire balanced vertical with floating ground to an unbalanced configuration using coax feed to those same radials grounded at the antenna base.

I don't think feeding the unbalanced/Grounded radials with balanced line was actually a fair comparison....

If you ground the radials, feed with unbalanced line.

I'm interrested in your results.

Good Job!  
-Ed Loranger  
--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Thu, 31 Jul 1997 12:16:44 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [24085] Rare Antennas  
Message-ID: <33E0E49C.9E6@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have here before me part 2 of "Antennas in the RF Range",  
RF Design, March 1980. I've had this for a long time and  
find some of the antennas have seen little analysis  
by the Amateur community, even in professional circles.

Yet these designs have proven themselves in commercial  
applications.

Conical Monipole, UG Antenna, Nord Antenna.

The Conical monopole is touted as havein "High Radiation  
Efficiency" It is .16 Wavelenth Tall and with anti-resonant  
conditions set up within the cone, exhibits a 4:1 bandwidth.

For 2 MHz, the UG Antenna design is Baffeling. Small!  
It consists of a Solid 52 foot top hat section. There are  
three s5 foot downleads. The center downlead goes to a  
Capacitor which is grounded. One foot to the right of the  
center downlead is a 25 foot wire that goes to ground. One  
foot to the left of the center, a 25 foot wire runs parallel  
with the other two downleads and at the base becomes the  
feed point. The capacitor on the middle downlead is tuned  
for Z-Match. Amazing, 52 Feet wide and 25 feet up for 2 MHz.

The Nord antenna is a grounded mast having 4 wires connected  
to the top, uninsulated, and sloping down to a capacitor  
at each of 3 quadrants. The capacitors are grounded and a  
HEAVY ground wire or Buss returns to the Base of the antenna.  
The 4th wire is run parallel, but away from the mast to a  
point at the base where the antenna is fed against ground.  
The article mentions that it is "3 overcoupled, tuned circuits  
for VLF/LF application." No dimensions given.

Does anyone have experience or plans for these?



Best 72's/Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.

QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----

Date: Thu, 31 Jul 1997 12:30:04 -0700

From: Ed Loranger <we6w@qsl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [24086] Re: Rare Antennas

Message-ID: <33E0E7BC.44B0@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

> For 2 MHz, the UG Antenna design is Baffeling. Small!  
> It consists of a Solid 52 foot top hat section. There are  
> three s5 foot downleads.

How about "three 25 foot downleads"

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.

QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----

Date: Thu, 31 Jul 1997 15:36:59 -0400

From: Ed Tanton <n4xy@bellsouth.net>

To: boatanchors@theporch.com

Cc: homebrew@qsl.net, <qrp-l@Lehigh.EDU>, <w4ocw@aol.com>, <w4qo@america.net>, <rtudor@worldnet.att.net>, <ed.welch@cheaha.com>

Subject: [24087] Great Audio App Notes

Message-ID: <3.0.1.32.19970731153659.00a95c00@mail.atl.bellsouth.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi all... while trying to get a data sheet on my 'new' (to me) Shure SM-7  
mike I found some terrific app notes at the Shure Brothers web page listed

below. Included were such 2 & 3 page titles as: "VU and PPM Audio Meters: An Elementary Explanation"; "Microphone Sensitivity Ratings: What does it all mean?"; and "Audio Transformers". They are very good and written in English... and there were probably 5 or 6 others... the only ones I recall having to do with Impedance Matching in general I think, and as related to microphones in specific. Check it out, hit the print button, and enjoy.

URL: <<http://www.shure.com/app-meter.html>> for the VU Meter note  
<<http://www.shure.com/app-sensitive.html>> for the Microphone Sensitivity note  
& <<http://www.shure.com/app-transform.html>> for the Audio Transformer note  
72/73

-----  
Ed Tanton N4XY EMAIL: n4xy@bellsouth.net  
189 Pioneer Trail  
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

-----  
QRP-ARCI #7663 G-QRP #6779 OK-QRP #172 QRP-L #758  
AdvRC #140 NORCAL #1779 NCDXF SEDXC  
Life Member: ARRL AMSAT INDEXA QCWA  
-----

INTERESTS: DX QRP BoatAnchors Test Equipment Photography  
CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford
~~~~~

-----  
Date: Thu, 31 Jul 1997 11:09:39 -0400  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: <boice@bigfoot.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [24088] Re: Parts for Sierra band module  
Message-ID: <199707311959.PAA04371@mh004.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Mike,

I built the 40M module using a cheap computer crystal. The crystal was not quite on the 15.000 frequency, so although it worked, I couldn't tune the desired range. In this case, I was able to add an inductor in series with the crystal, bringing it right on frequency.

This was enough of a pain to fool with that I played it safe on the other modules and bought the crystals from Wilderness Radio.

BTW, if you buy the trimmers from mouser, (that's where I got mine) I'd recommend you get some of the smaller capacity trimmers for the higher bands. The yellow tops are 5-30pF and the blue tops are 3.5-20pF. The higher band modules are very touchy to tune and keep in tune. (particularly the xmit trimmers) Using the smaller capacity trimmers makes tuning a little easier, however it requires using a parallel capacitor in some cases to bring them into range. This is a cut-and-try process, because the inductance of the toroids varies, but worth it for me. On the 10 meter module, I used blue tops for the xmit pair, and yellows for the rest.

I've made these changes with both the older style Norcal modules and with the newer Wilderness modules.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not necessarily. -- Benny Hill

-----  
> OK. let me rephrase that: I know Mouser carries the caps, but do they have  
> a compatible crystal? I see some listed in the right style case &  
> tolerance, but at 20pF load, not the standard Sierra 15pF. Is this too far  
> off, or is there enough leeway in the circuit to make this work?  
>  
> Dan's has some crystals listed as 32pF, I believe. Are these too far off?  
> He doesn't seem to list the proper trimmer caps, but I may have overlooked them.

-----  
Date: Thu, 31 Jul 1997 15:57:55 -0400  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: <dmaliniak@penton.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [24089] Re: W6JJZ Z-match  
Message-ID: <199707311959.PAA05620@mh004.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi David,

I built Charlie's updated Z-Match to compare it with EMTECH's. I couldn't tell any difference in using the two.

This was before I started testing tuners, though, so there may have been a slight difference I didn't catch. Actually, however, Charlie's revision is intended to improve the output balance, and probably does. But, the output balance of the original SPRAT/EMTECH is excellent. (I have measured that) So, we are probably talking about a small increment of improvement.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not necessarily. -- Benny Hill

-----  
> Has anyone built W6JJZ's updated Z-match tuner (QRP Quarterly, July 1995, > page 10)?

-----  
Date: Thu, 31 Jul 1997 13:14:07 -0700  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
To: qrp-l@Lehigh.EDU  
Subject: [24090] Re: Noisebuster headphones  
Message-ID: <33E0F20F.6F6E@vdbs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Tom,

That sounds pretty interesting. I wonder if it will tune out the sound of the kids screaming when that S1 call from XZ1 land comes back with the first part of your call.

And I had just started making my own. After the discussions of last week I was figuring that two large plastic tumblers with 2 inch speakers mounted with some hanger wire ought to be just about right.

Then I can go down to the park with my tumbler headphones and pocket protector and really create a stir.

--  
73 de Jeff AC6KW  
grudin@vdbs.com

-----  
QRP-L #16 Private Practice : Companion Animals and  
Exotics  
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa  
Cruz  
Santa Cruz,  
California

QRP'ers do it with less energy (but lot's of enthusiasm)!

-----

-----  
Date: Thu, 31 Jul 1997 13:51:05 -0700 (PDT)  
From: Dana Myers K6JQ <myers@bigboy.West.Sun.COM>  
To: qrp-l@Lehigh.EDU  
Subject: [24091] Directions to dinner with Chuck K5FO  
Message-ID: <Roam.SIMC.2.0.6.870382265.18524.myers@bigboy>  
Content-Type: text

If you're thinking of visiting with Chuck tonight, we'll be at the Santa Monica Acapulco, we haven't fixed a time yet but I'm guessing we'll be there for a while starting around late happy-hour (after 6p or so). Acapulco is at 3360 Ocean Park Blvd. at the 'western' corner of Centinela and Ocean Park - you can exit the Santa Monica (I-10) freeway at Pico and head south on Centinela until you run into the business park. If you need more detailed directions, please email me, call me (310) 348-6043 or call me on 146.52 simplex for talk-in.

If you haven't sent a note announcing your intention to come, don't worry. Come on down ;-)

Dana K6JQ  
Dana.Myers@Sun.Com

-----  
Date: Thu, 31 Jul 1997 16:58:30 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [24092] MD Milliwatts - QRP Show and Tell Page  
Message-ID: <Pine.LNX.3.93.970731165511.1099F-100000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The page is now open for business! There is still a lot of work to be done, but at least now we can prove that not every QRP related event happens in CA or TX :) The page is at

<http://www.weathernode.com/qrp>

```
-- Chris Cartwright,   Technical Engineer   |       ccart@vidtel.com       --
-- N3XRV               QRP WAS 17/9 (w/c)   |       ccart@erols.com       --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #????? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --
```

-----  
Date: Thu, 31 Jul 1997 14:11:20 -0700  
From: Roger Hightower <n7kt@dancris.com>  
To: qrp-l@Lehigh.EDU  
Subject: [24093] Fort Tuthill - Thanks  
Message-ID: <33E0FF78.1965@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a short note to express my thanks to the speakers at Fort Tuthill last week. The whole thing was the result of a short conversation between Doug Hendricks and me last summer, and the response of those who I invited to speak was what made it work.

At personal expense, Chuck K5FO, Paul NA5N, Jim KK6MC/5, Cecil W6RCA, Doug KI6DS and Jim WA6GER, and Gary N7IR all showed up and did a great job. We had a good crowd of attendees and learned some things for next year that will make it better. I really appreciate all you guys did.

Check out the KI7MN page for pictures:

<http://www.dancris.com/~ki7mn>

--  
72/73 de Roger N7KT     n7kt@dancris.com     Mesa, AZ     Grid DM43cj  
NorCal 1099   CoQRP 176   QRP-L 62   G-QRP 9081   ARCI 8946   NE-QRP 383  
AK-QRP 167

-----  
Date: Thu, 31 Jul 1997 16:23:57 -0500  
From: tahrens1@juno.com (Timothy H Ahrens)

To: qrp-1@Lehigh.EDU  
Subject: [24094] QST Search  
Message-ID: <19970731.162402.4238.0.tahrens1@juno.com>

Is there anyplace that I can look for a specific article in QST? I know all the particulars, month, etc, just wondering if there is a web site somewhere that archives this stuff. ( I know about the ARRL Pubs CDs)

Thanks,

Tim W5FN

-----  
Date: Thu, 31 Jul 1997 15:41:49 -0600 (MDT)  
From: owens@stout.atd.ucar.edu (Chip Owens)  
To: qrp-1@Lehigh.EDU  
Subject: [24095] Rare Antennas  
Message-ID: <199707312141.PAA27652@atd.atd.ucar.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Both of the "rare" antennas under discussion are pretty well described in the book by Capt. Paul Lee, USN ret., I think the title is "Vertical Antenna Handbook" If I recall correctly this was published by Cowan several years ago.

Chip Owens, NW00

-----  
Date: Thu, 31 Jul 1997 14:47:58 -0700 (PDT)  
From: Kory Hamzeh <kory@avatar.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24096] WTB: Schurr Portable Wabblers  
Message-ID: <Pine.BSI.3.91.970731144633.393A-100000@avatar.avatar.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm looking for a Schurr Portable Wabblers in mint shape. If you have one and you are willing to part with it, please let me know!

Thanks,  
Kory  
AC6RN

-----  
Date: Thu, 31 Jul 1997 23:44:13 +0200  
From: Paul Cecil <cecilp@mail3.bunt.com>  
To: we6w@qsl.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [24097] Re: Rare Antennas  
Message-ID: <3.0.1.32.19970731234413.007a6b30@mail3.bunt.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 12:16 PM 7/31/97 -0700, Ed Loranger wrote:  
>  
>Conical Monipole, UG Antenna, Nord Antenna.  
>Does anyone have experience or plans for these?

Ed,  
'The Amateur Radio Vertical Antenna Handbook' by Capt Paul H. Lee,  
USN(Ret), N6PL, has those antennas and a number of others. The book was  
published by CQ Publishing as part of their Technical Series. The one I  
have was printed in 1984 as a 2nd edition.

Paul Cecil  
KA5FPT / DA2PC  
Kaiserslautern, Germany  
email: cecilp@magic.bunt.com  
Paul Cecil  
Kaiserslautern, Germany

-----  
Date: Thu, 31 Jul 1997 14:52:54 -0700  
From: ekscott@ibm.net  
To: tahrens1@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [24098] Re: QST Search  
Message-ID: <33E10936.486F@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Timothy H Ahrens wrote:



>  
> Is there anyplace that I can look for a specific article  
> in QST? I know all the particulars, month, etc,  
> just wondering if there is a web site somewhere that  
> archives this stuff. ( I know about the ARRL Pubs CDs)  
>  
> Thanks,  
>  
> Tim W5FN

I have been using the following URL and been quite pleased

<http://www.tp.net/tp/users/japple>

Go to the ham radio links and then the QST index enjoy

Also while on the topic I NEED a copy of an article on HF disconesn from  
the July 1975 issue of QST if there is someone who could make a copy I  
will gladly pay for it thanks>>>Erin :-)

Erin Scott KK7GE  
ekscott@ibm.net  
KK7GE@N7UVH.#NID.ID.USA.NOAM

"Life's too short to ride and ugly horse"

-----  
Date: Thu, 31 Jul 1997 14:55:46 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [24099] Stolen QRP Gear - Please Help  
Message-ID: <199707312155.0AA20088@usr07.primenet.com>

Howdy Folks,

Okay, the world is full of slimeballs. That's a sad given.  
I'm requesting the List's help to win one for the good guys.

PLEASE DO \*NOT\* DISTRIBUTE BEYOND QRP-L! I'd rather not let  
the dirtbag know we're on the lookout, and there are enough  
QRPers here that we should be able to cover it.

At the Ft. Tuthill hamfest, a box belonging to Paul NA5N was  
taken. Here's what he said was in it:

Paul (NA5N) wrote:

>  
> What was in the box ...  
>  
> 15-20 QRP Data Books  
> An Elenco SG-??? Signal Generator/freq. counter  
> An NLS (Non-Linear Systems) dual trace portable o-scope  
> The homebrew 38-S (it says NA5N on the back panel by ANT BNC),  
>     although probably fairly distinctive in itself -hi.  
> A 20M SST  
> And a small black canvass "U.S. Navy" bag with various tools,  
>     including a DVM.

I'm assuming some of this will show up in Hamfests around the southwest somewhere. Obviously some guy with a stack of QRP Data Books should stand out like a sore thumb, and the HB 38-Special was unique. The portable o-scope was a small critter (size of a piece of paper, 6-8" thick I believe).

Please keep your eyes open. Again, that's alot of QRP Data Books floating around, and who else I going to buy them except QRPers? The guy's liable to stick out like a sore thumb.

Again, PLEASE DO \*NOT\* DISTRIBUTE BEYOND QRP-L! I think that's a good policy, since I'd rather they be found and caught rather than have them toss it all into a dumpster. But I've been wrong before.

Thanks for your help. Hope we can find this dirtbag and put 'em out of commission for awhile. One AZ summer in Sheriff Joe's famous Tent City prison should be an eye-opener for them.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And then you must cut down the mightiest tree in the forest with... A HERRING!"

-----

Date: Thu, 31 Jul 1997 18:07:37 -0400 (EDT)  
From: ARDUJENSKI@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [24100] NEED TO GROUND?

Message-ID: <970731180737\_1951897771@emout16.mail.aol.com>

I'm using a ZM-1 Tuner with balanced feed to a GROUND PLANE with tuned radials

is it necessary to ground the rig? (Rig is running on battery power)

ALAN kb7mbi

-----  
Date: Thu, 31 Jul 1997 18:07:22 -0400

From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>

To: qrp-l@Lehigh.EDU

Subject: [24101] 17 Meter 38S

Message-ID: <3.0.1.16.19970731180722.2927aa2a@mail-cluster.pcy.mci.net>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Gang, having finished the beast for the moment, I thought making a contact or two was in order, to assure myself that it really was working. The past few days have been stinko on 17, but managed two stateside contacts early in the week, one in MI and the other in VA. Tonight, I heard FG6Y, Jan just above the noise and called him. He came right back, gave me a 539 report, and copied all my info, including the qrp at 2 watts. So, I guess the development part of the project has officially ended, and I can get on with writing up the "how to's" of putting a 38S on this band. Gonna be lots of fun when the sunspots perk up a tad. So, I've now got something for TEMPS on 17 meters.

Stay tuned.....

72....Jim

|                             |          |                                           |
|-----------------------------|----------|-------------------------------------------|
| Jim Kortge, K8IQY (ex NU8N) |          | NorCal, QRP-L                             |
| jokortge@mci2000.com        |          | __o H.F. bicycle mobile                   |
| Fenton, MI                  |          | _'\<, Mizuho 17/40 SSB                    |
| ...                         | ..       | .. (*)/(*) ..                             |
| NorCal 38S/30 Log           | -        | 34 States; 40 Countries - Running 3 watts |
| Most recent -               | Iowa     | Mauritius                                 |
| NorCal 38S/17 Log           | -        | 2 States; 2 Countries - Running 2 watts   |
| Most recent -               | Virginia | St. Martin                                |

-----  
Date: Thu, 31 Jul 1997 15:21:17 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: cecilp@mail3.bunt.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [24102] Re: Rare Antennas  
Message-ID: <33E10FDD.3BF5@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

And why wasn't I informed of this? Don't they know  
that they are supposed to :cc me on all new  
antenna pubs?

The Noirve!

-Ed

Paul Cecil wrote:

>  
> At 12:16 PM 7/31/97 -0700, Ed Loranger wrote:  
> >  
> >Conical Monipole, UG Antenna, Nord Antenna.  
> >Does anyone have experience or plans for these?  
>  
> Ed,  
> 'The Amateur Radio Vertical Antenna Handbook' by Capt Paul H. Lee,  
> USN(Ret), N6PL, has those antennas and a number of others. The book was  
> published by CQ Publishing as part of their Technical Series. The one I  
> have was printed in 1984 as a 2nd edition.  
>  
> Paul Cecil  
> KA5FPT / DA2PC  
> Kaiserslautern, Germany  
> email: cecilp@magic.bunt.com  
> Paul Cecil  
> Kaiserslautern, Germany

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VF0.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----

Date: Thu, 31 Jul 1997 18:21:41 -0400 (EDT)  
From: George Gingell <k3tks@u1.abs.net>  
To: Dave Maliniak <dmaliniak@penton.com>  
Cc: QRP List <qrp-l@Lehigh.EDU>, "N.J. QRP Club List Server" <njqrp@njqrp.org>, "Roy Gregson (EMTech)" <RoyGregson@aol.com>  
Subject: [24103] Re: W6JJZ Z-match  
Message-ID: <Pine.BSI.3.93.970731180936.16248B-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I think that they are very close, but a note to Roy Gregson, W6EMT will get you the straight scoop in short order. More pictures and discussion on the subject can be found in Chapter 7 of the New Antenna Handbook by William I. Orr, W6SAI (ISBN 0-943016-15-0) available for \$ 19.95 at your favorite Ham Radio Book Dealers. I wrote a few notes about it in the July 1997 issue of the QRP Quarterly Journal. IMHO, it is the best antenna book out there for the new ham on the block. I recommend it to all as a worthy addition to their Antenna Library Collection.

No, I don't get any thing for saying that, Bill dosen't even know me :^)  
And yes, I paid full price for my copy at my Favorite Ham Radio Candy store, Maryland Radio Center, in Laurel, MD <<http://www.weathernode.com>>

We should have some local QRP Photos on that system soon. /QRP.html

email to Roy at <RoyGregson@aol.com>

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"  
Maryland Milliwatt Club QRP Reference Library, (301)572-6789  
QRP ARCI Net Manager and Board of Director Member.

On Thu, 31 Jul 1997, Dave Maliniak wrote:

>  
> Has anyone built W6JJZ's updated Z-match tuner (QRP Quarterly, July 1995,  
> page 10)? I've been wanting to build a balanced-line tuner for field use  
> and this looks promising. So I'm looking for any feedback from the  
> assembled multitudes. Does anyone know if Charlie's take on the Z-match is  
> different than Emtech's?  
>  
> Oh yeah...anyone have a source for T-200-6, T-130-6 or T-157-6 cores?  
>  
> 72 David N2SMH  
> Glen Rock, NJ  
>

>  
> ===== NJ QRP Club Mailing List =====  
> To unsubscribe from this list, send email to listserver@waterw.com  
> and put the text "unsubscribe njqrp" in the message. To post a  
> message to the list, send email to njqrp@njqrp.org.  
>

-----

End of QRP-L Digest 804

\*\*\*\*\*

-----